

NASA Technical Memorandum 100533, Part 2

1985 and 1986 DIRECT STRIKE LIGHTNING DATA

P-472

Klaus P. Zaepfel

and

Harold K. Carney

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**National Aeronautics and
Space Administration**

**Langley Research Center
Hampton, Virginia 23665**

**(NASA-TM-100533-PT-2) THE 1985 AND 1986
DIRECT STRIKE LIGHTNING DATA, PART 2 (NASA)**

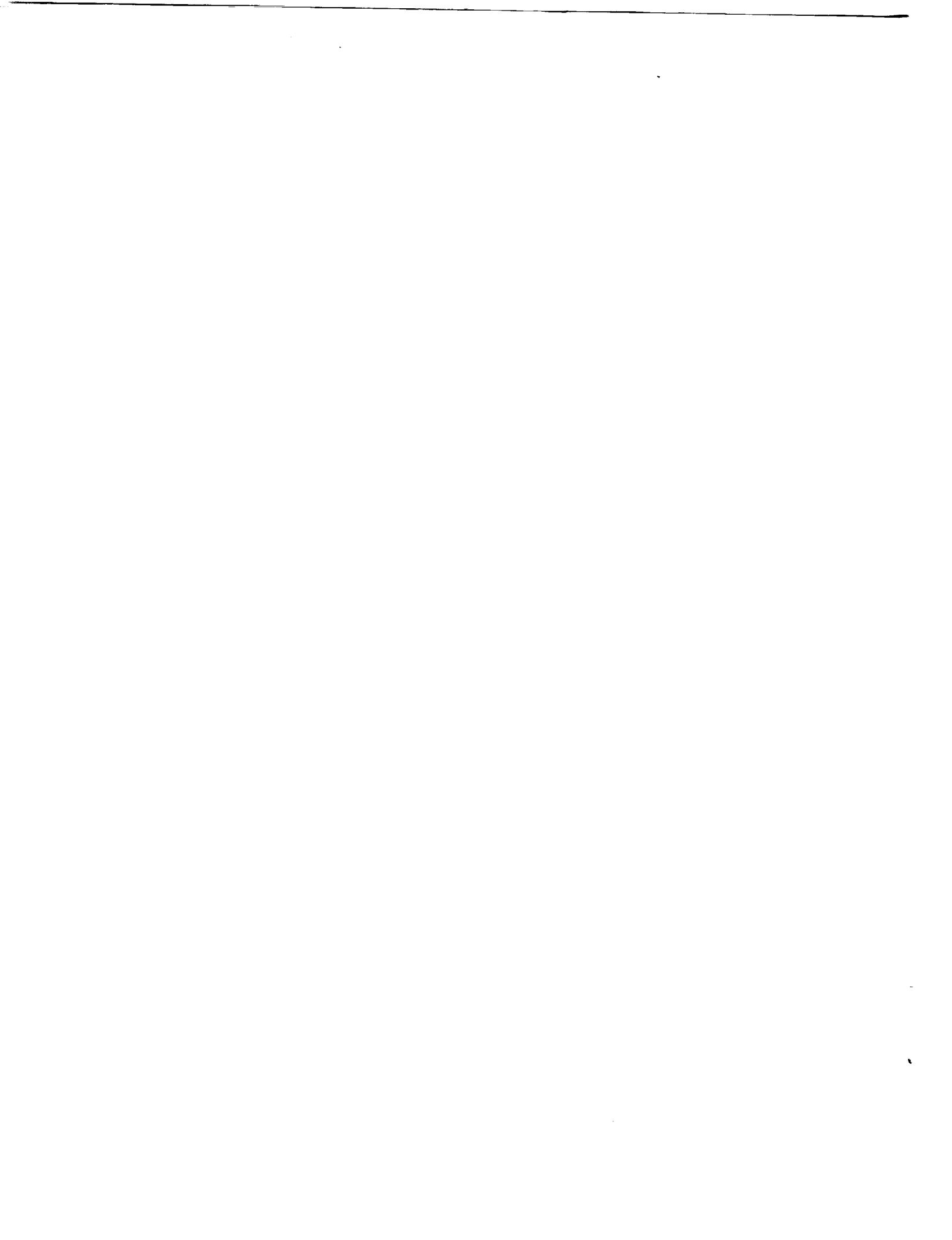
472 p

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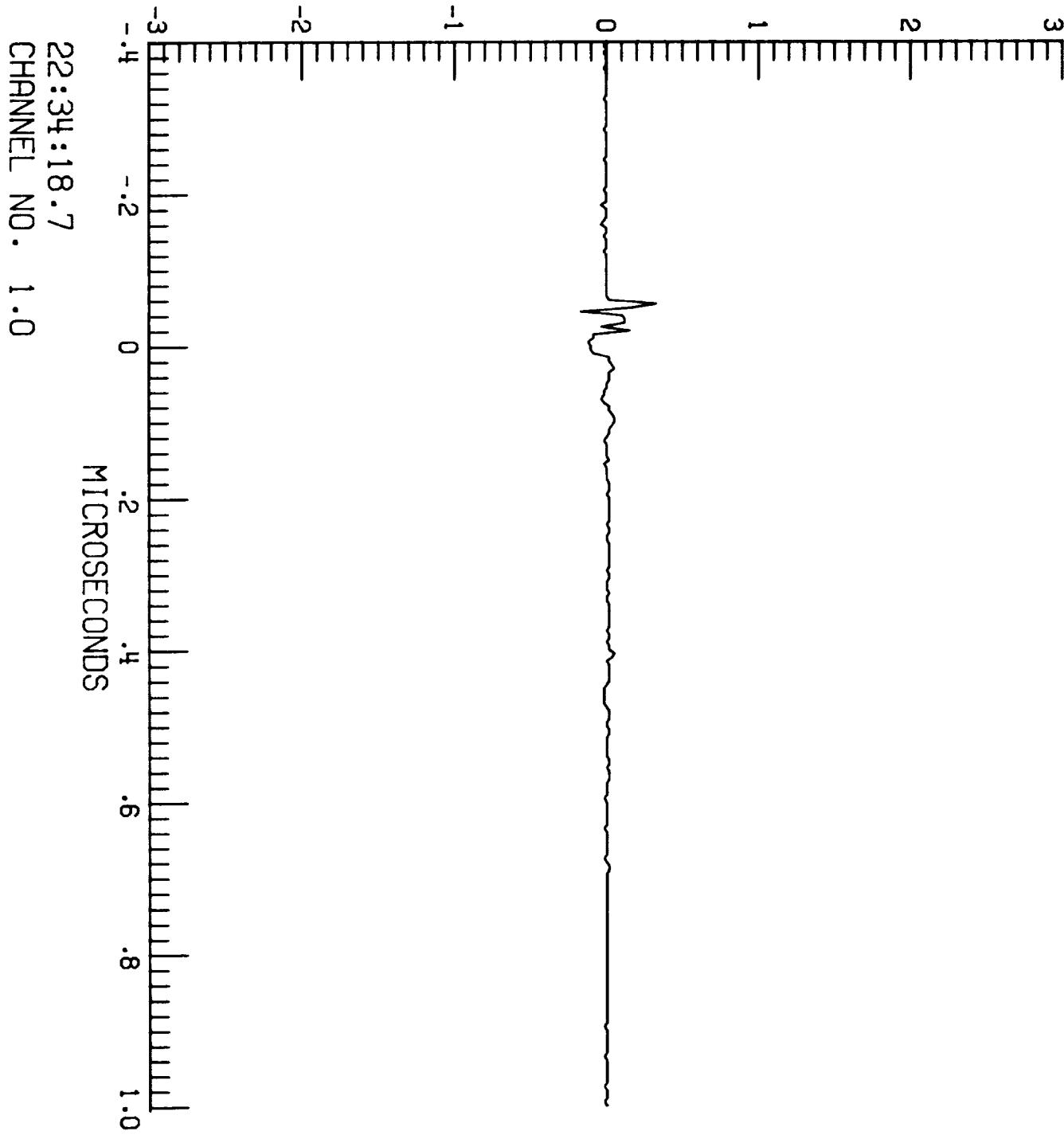
**Part 1 published under separate cover.

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S-002

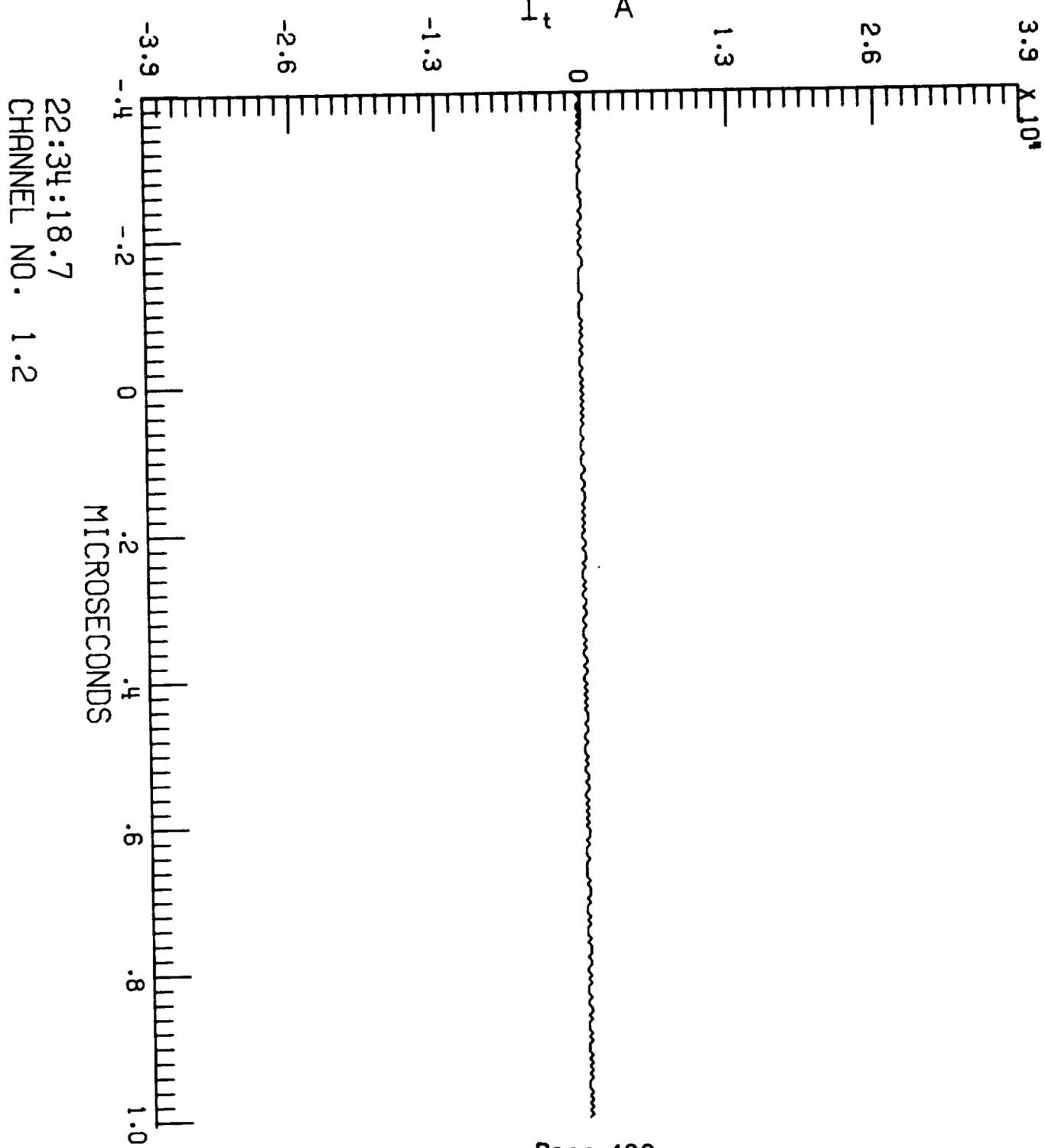
\dot{D}_t A/m²



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S-002



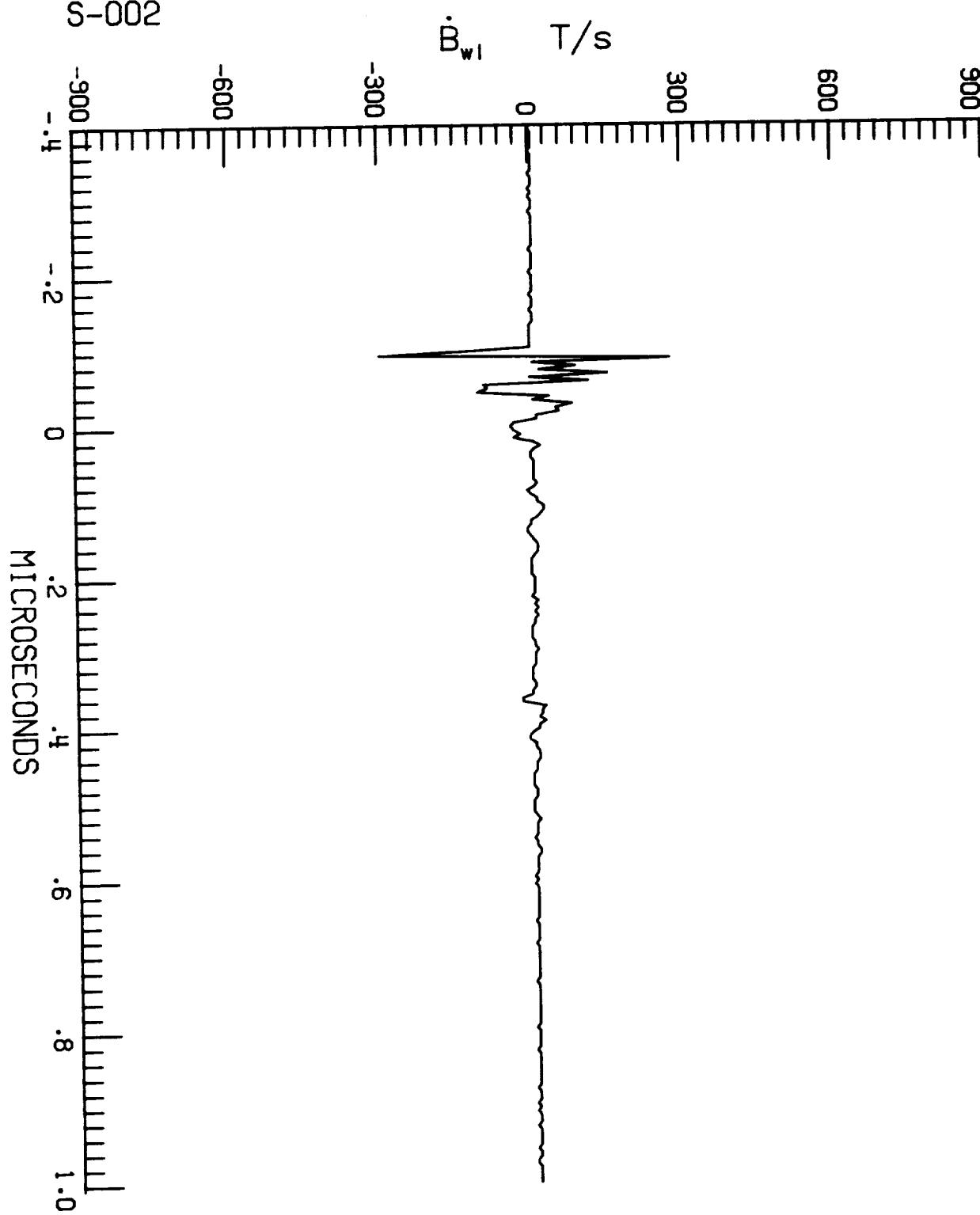
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S-002

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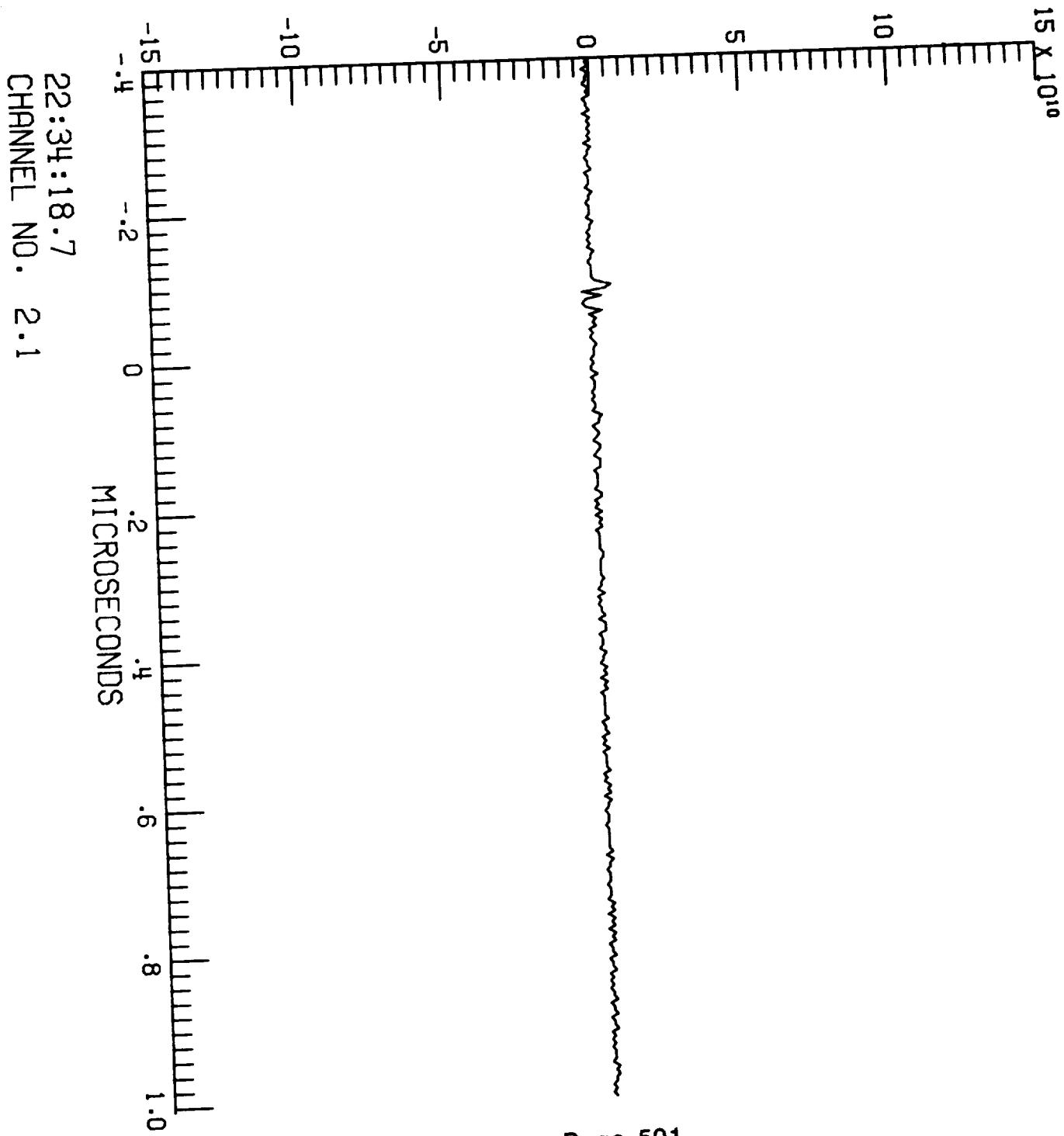


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\dot{I} A/s



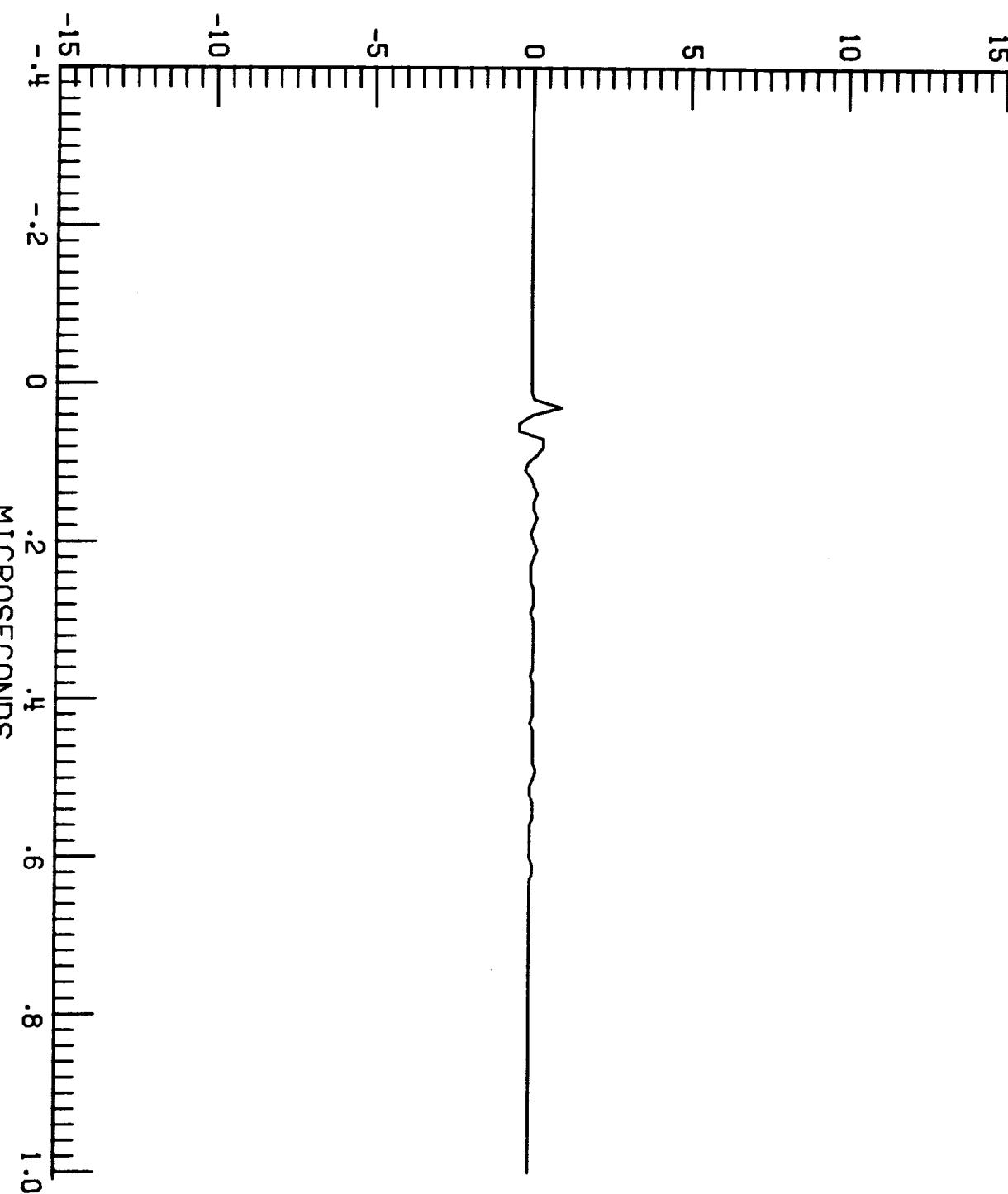
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S-002

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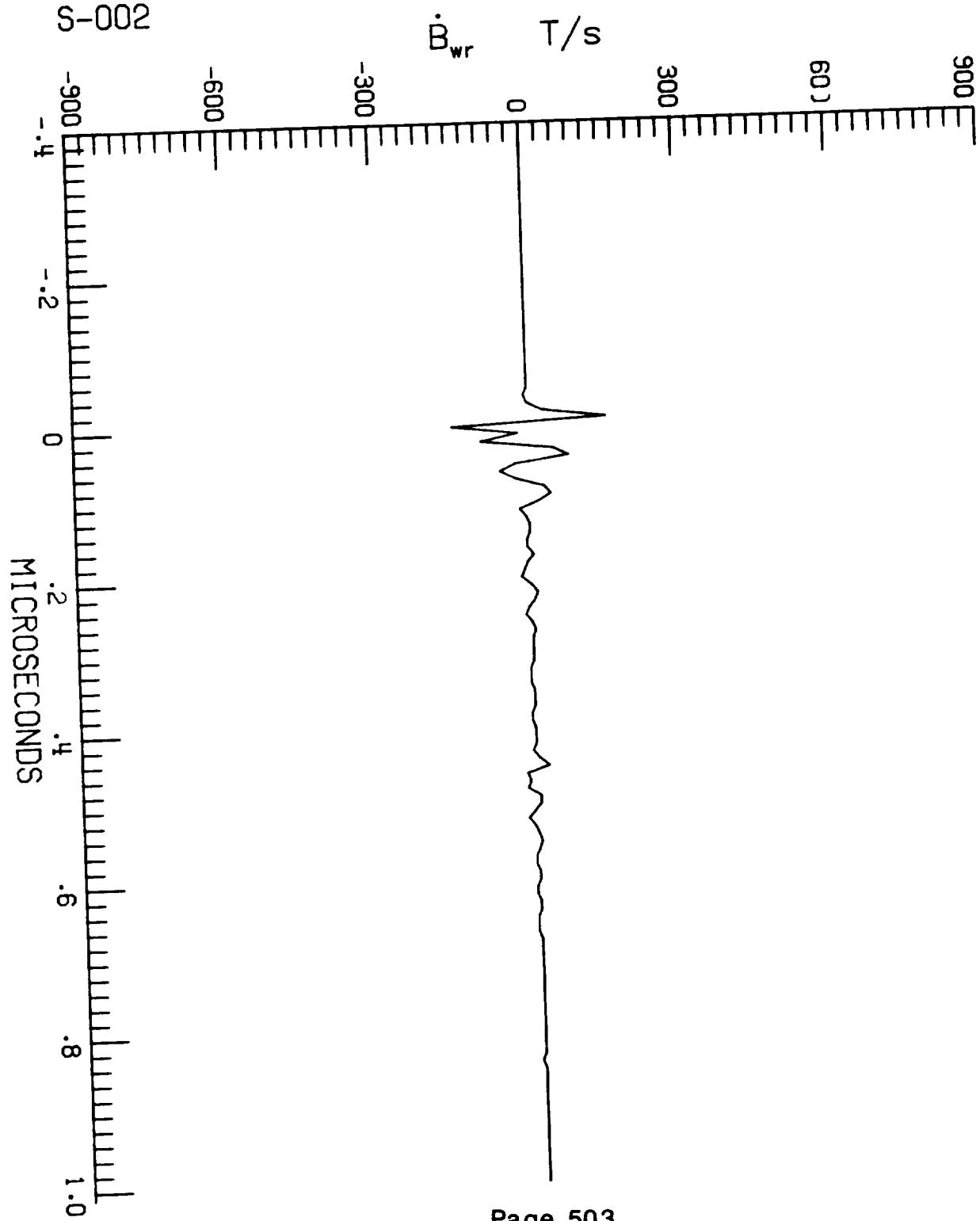
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S-002

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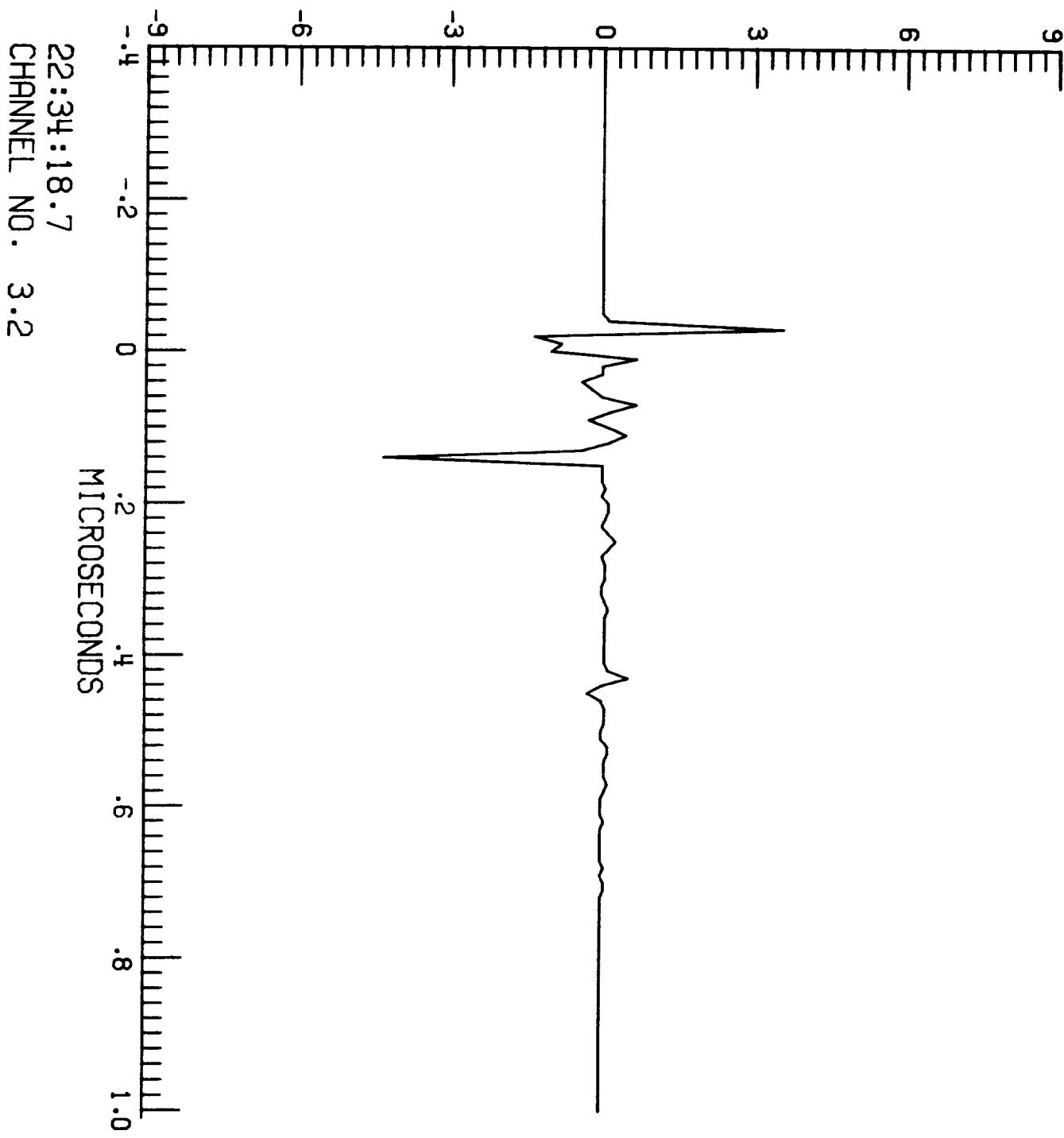


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\dot{D}_f A/m²



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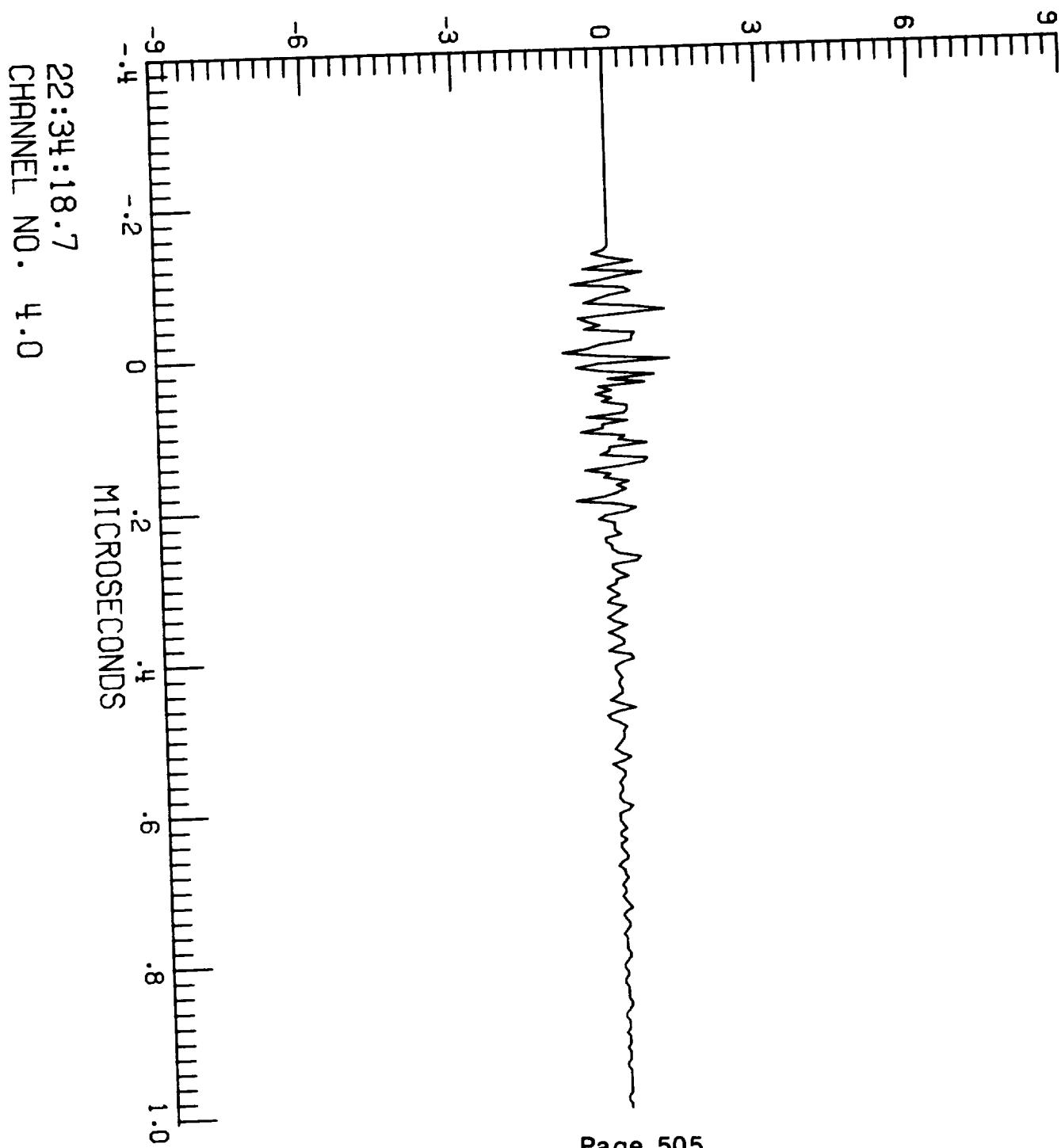
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V



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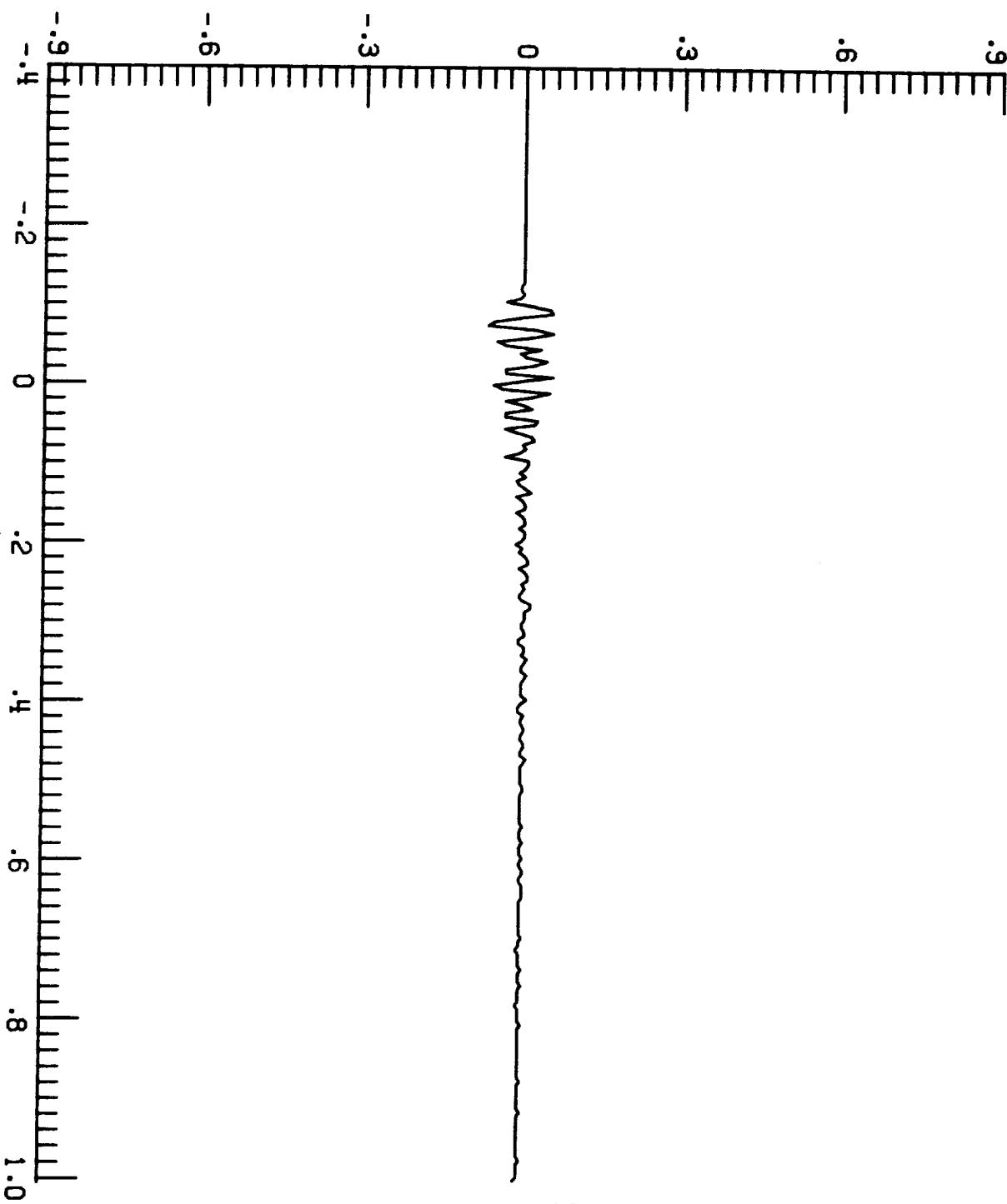
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S-002

TP106

A



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LEC 4 RUN NO. 2

S-002

TP125

A

.18

.27

.09

0

-.18

-.09

-.27

-.4

-2

0

.2

.4

.6

.8

1.0

MICROSECONDS

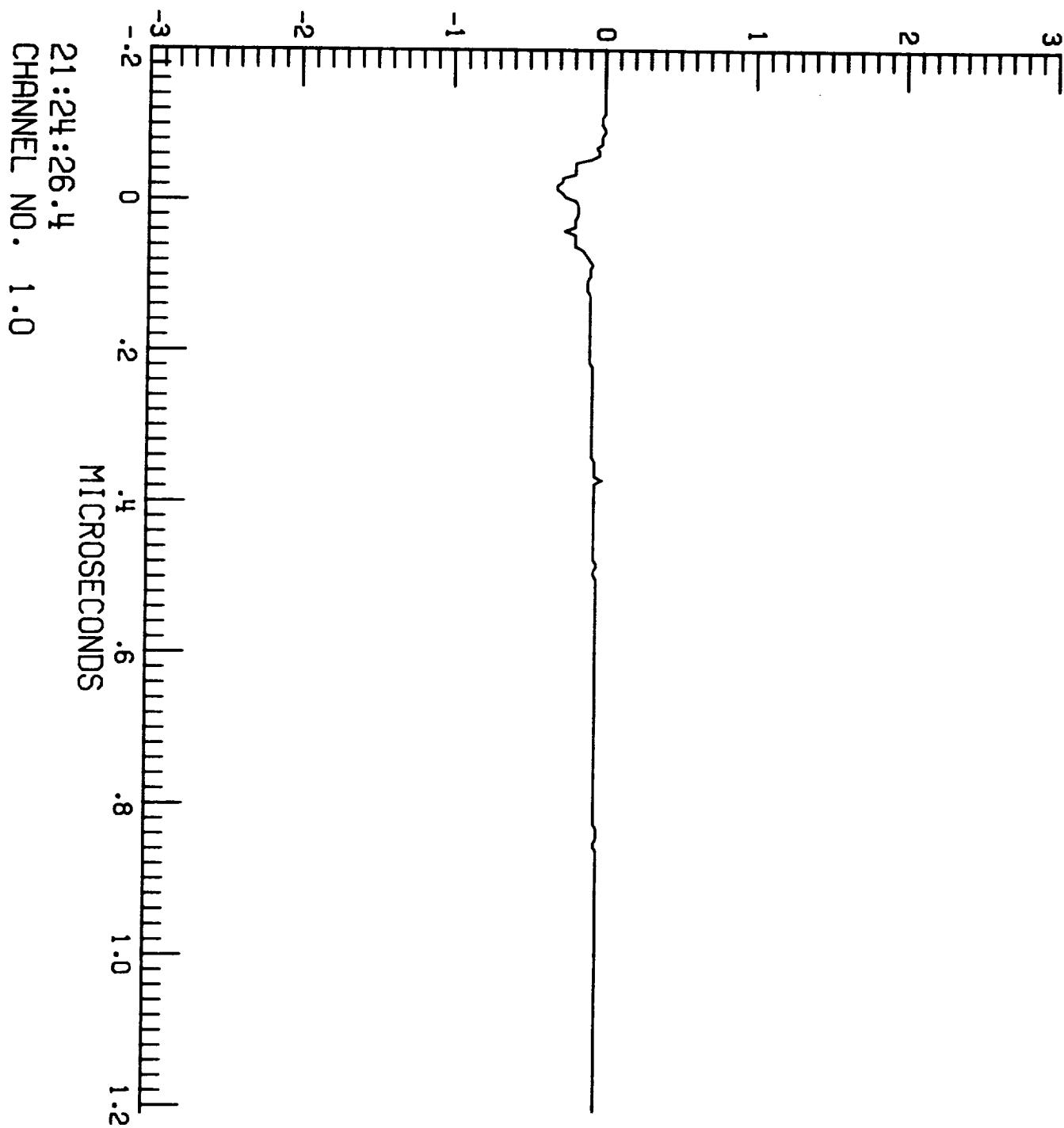
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\dot{D}_t A/m²

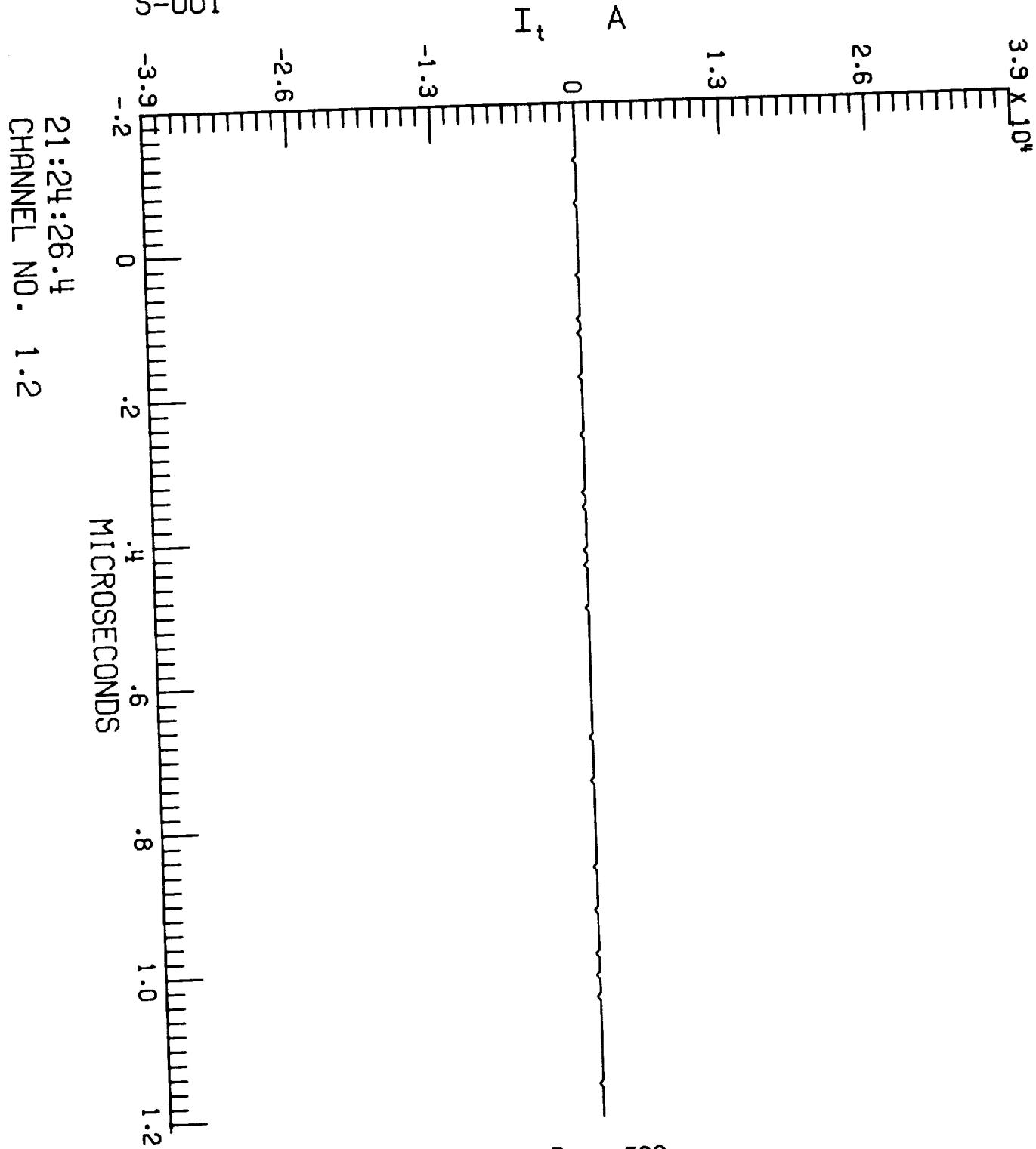


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S-001

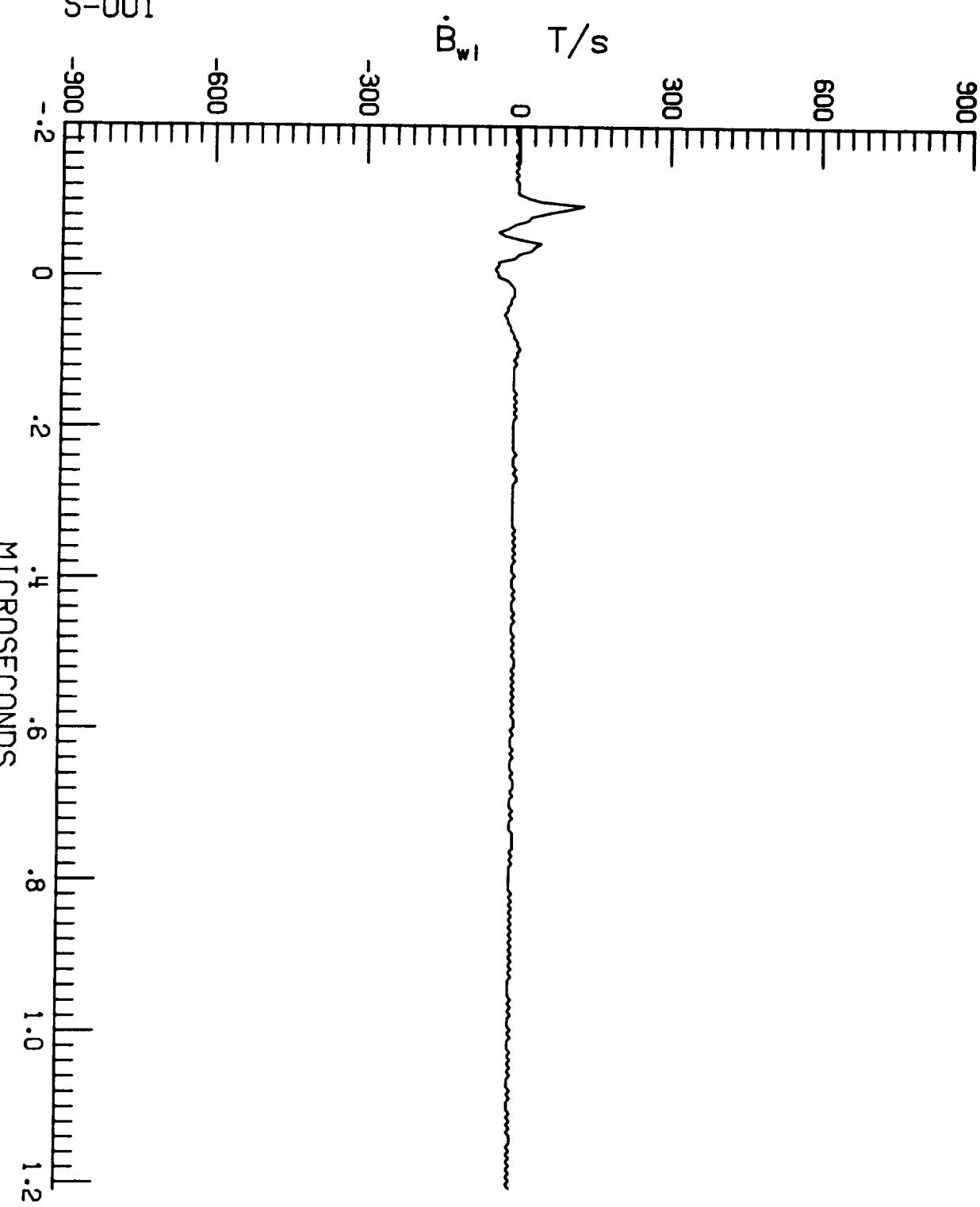


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S-001



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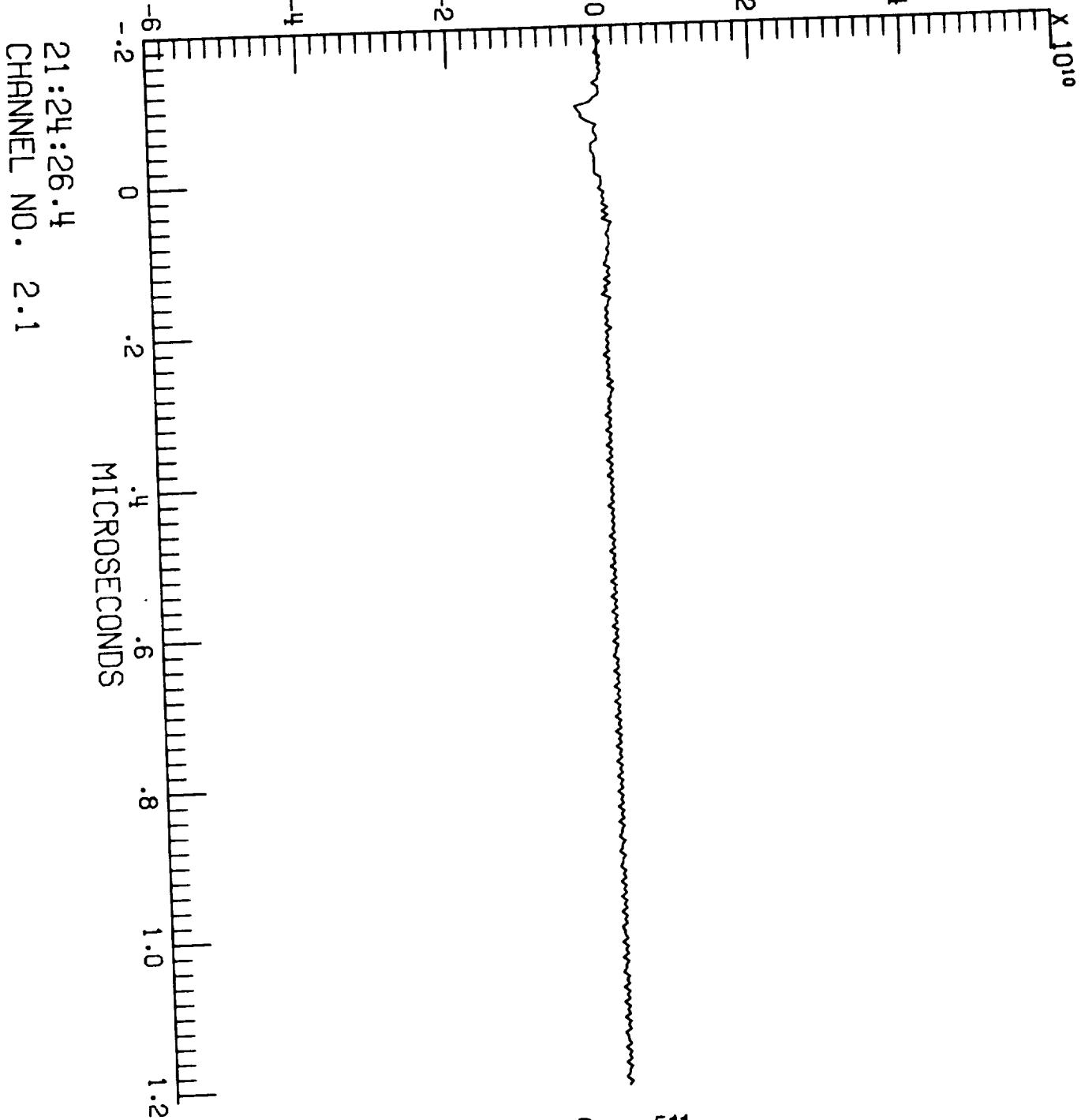
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\dot{I} A/s

6×10^{10}

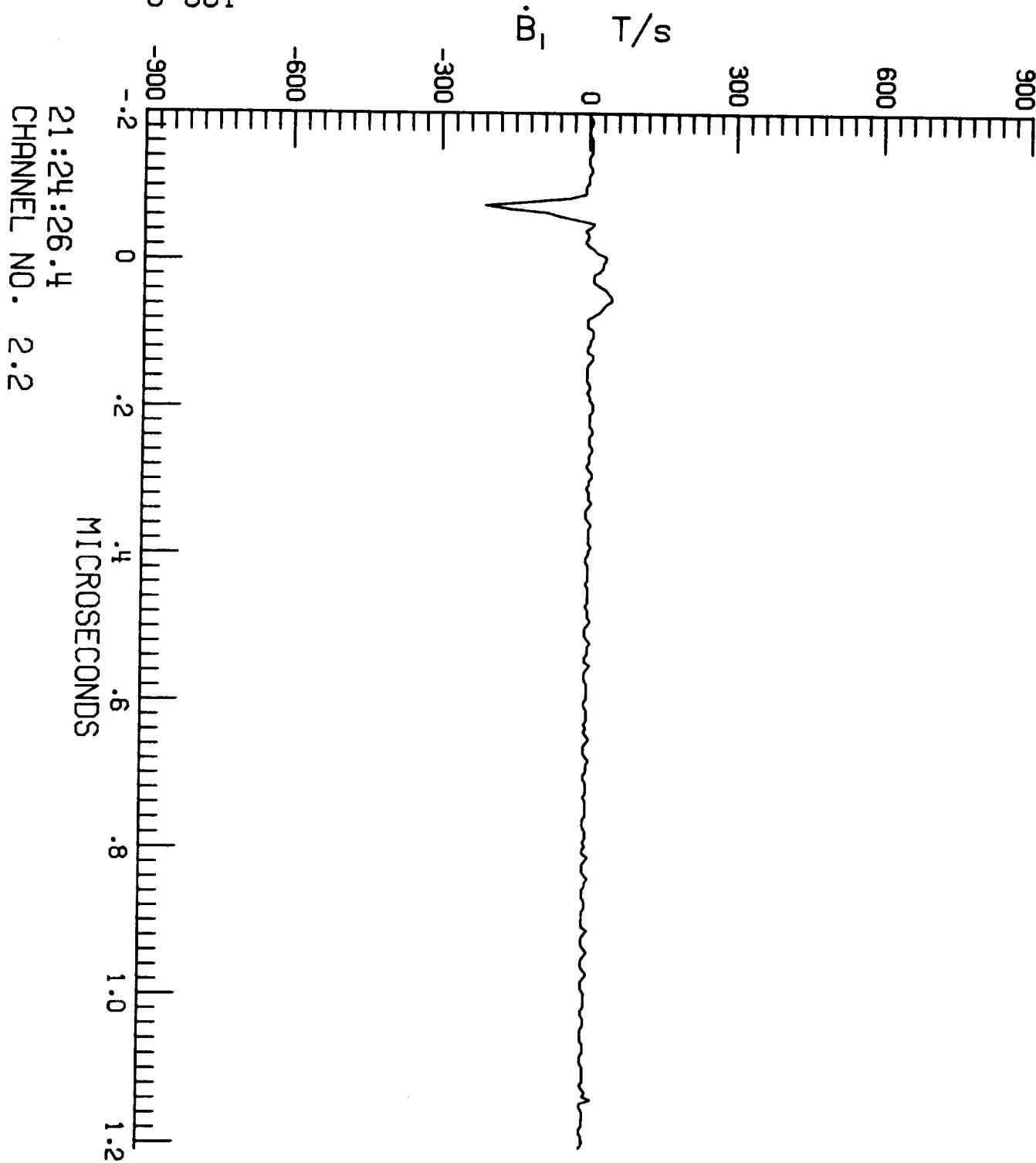


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S-001



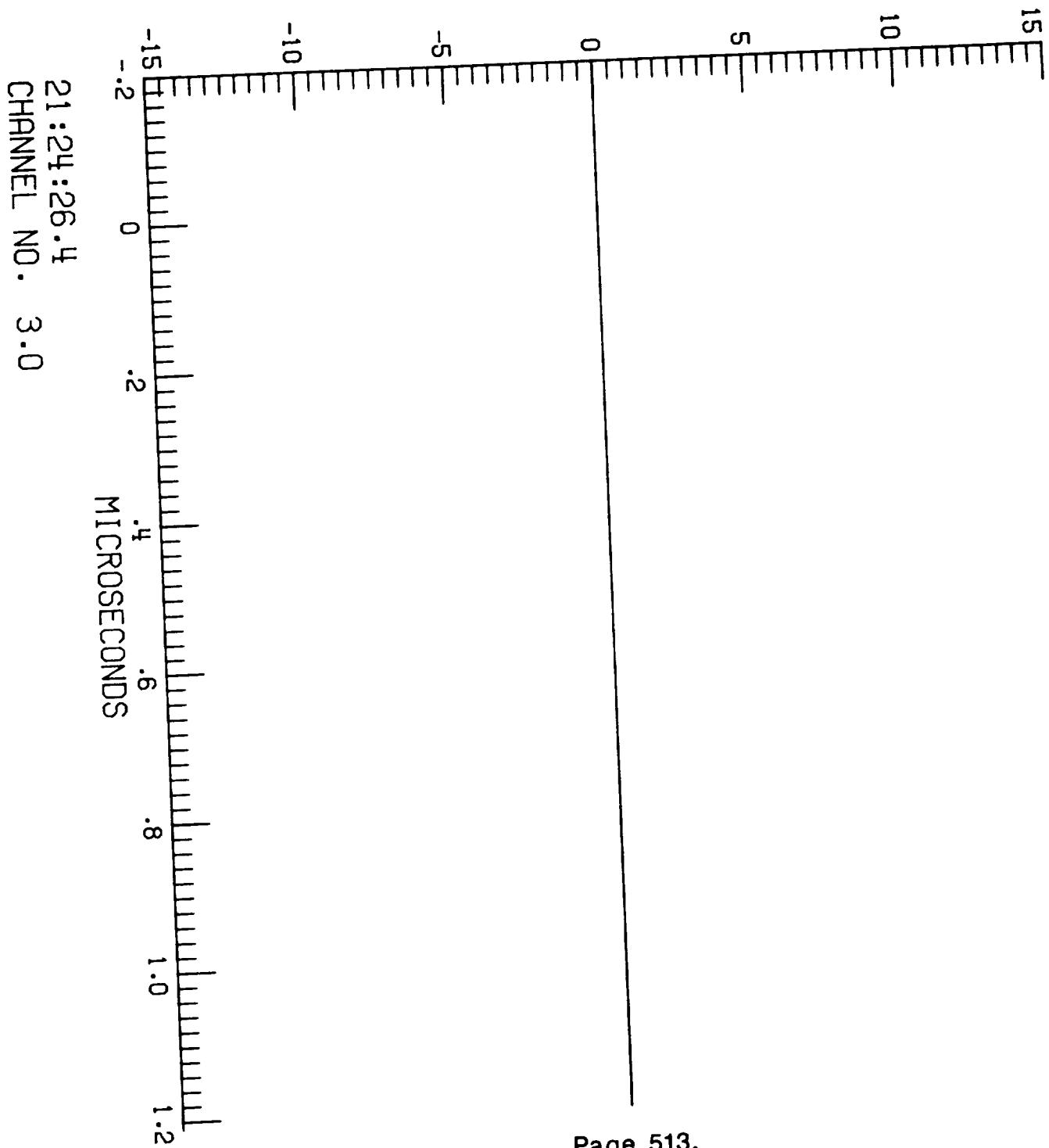
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\dot{D}_{wr} A/m²

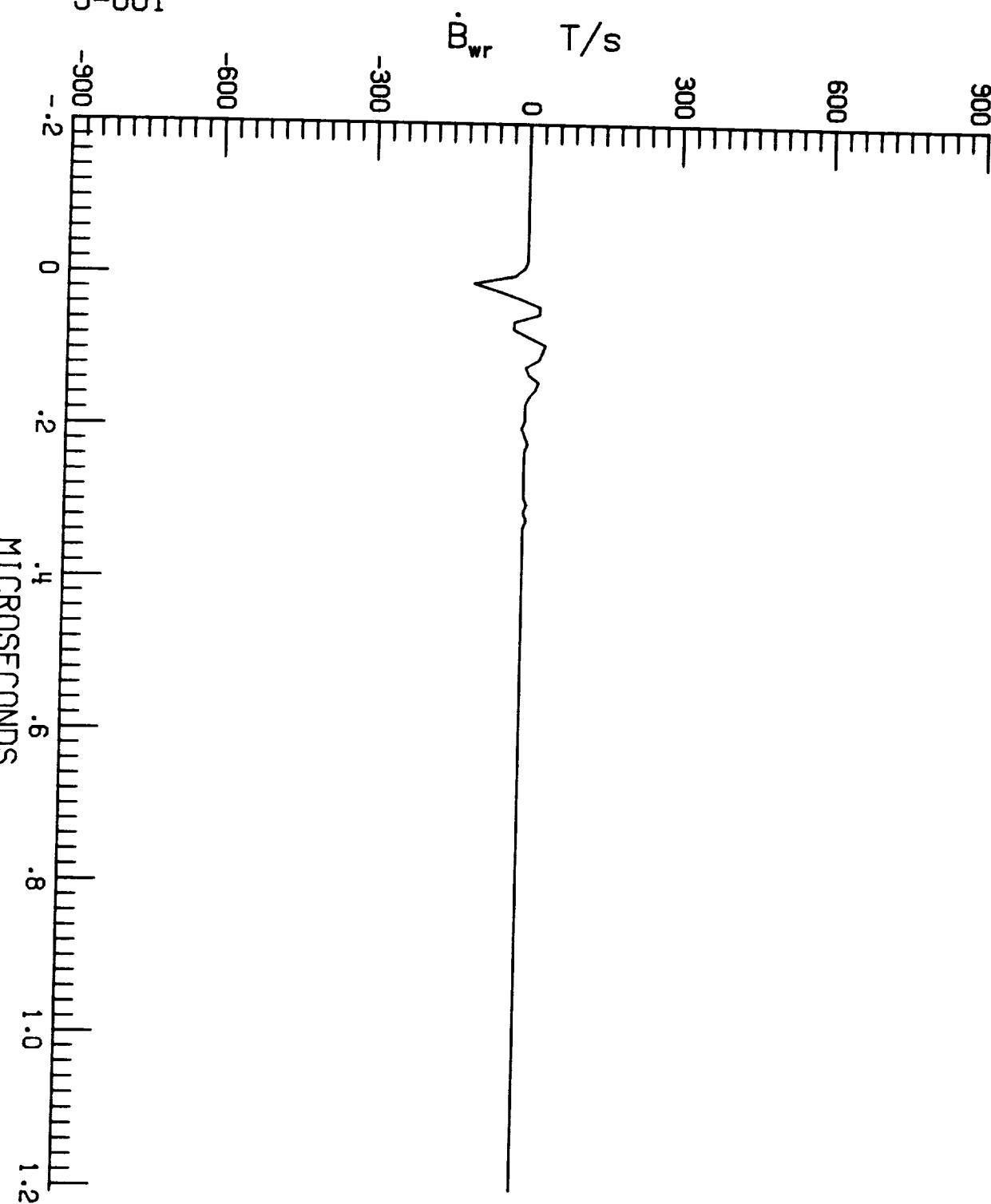


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S-001



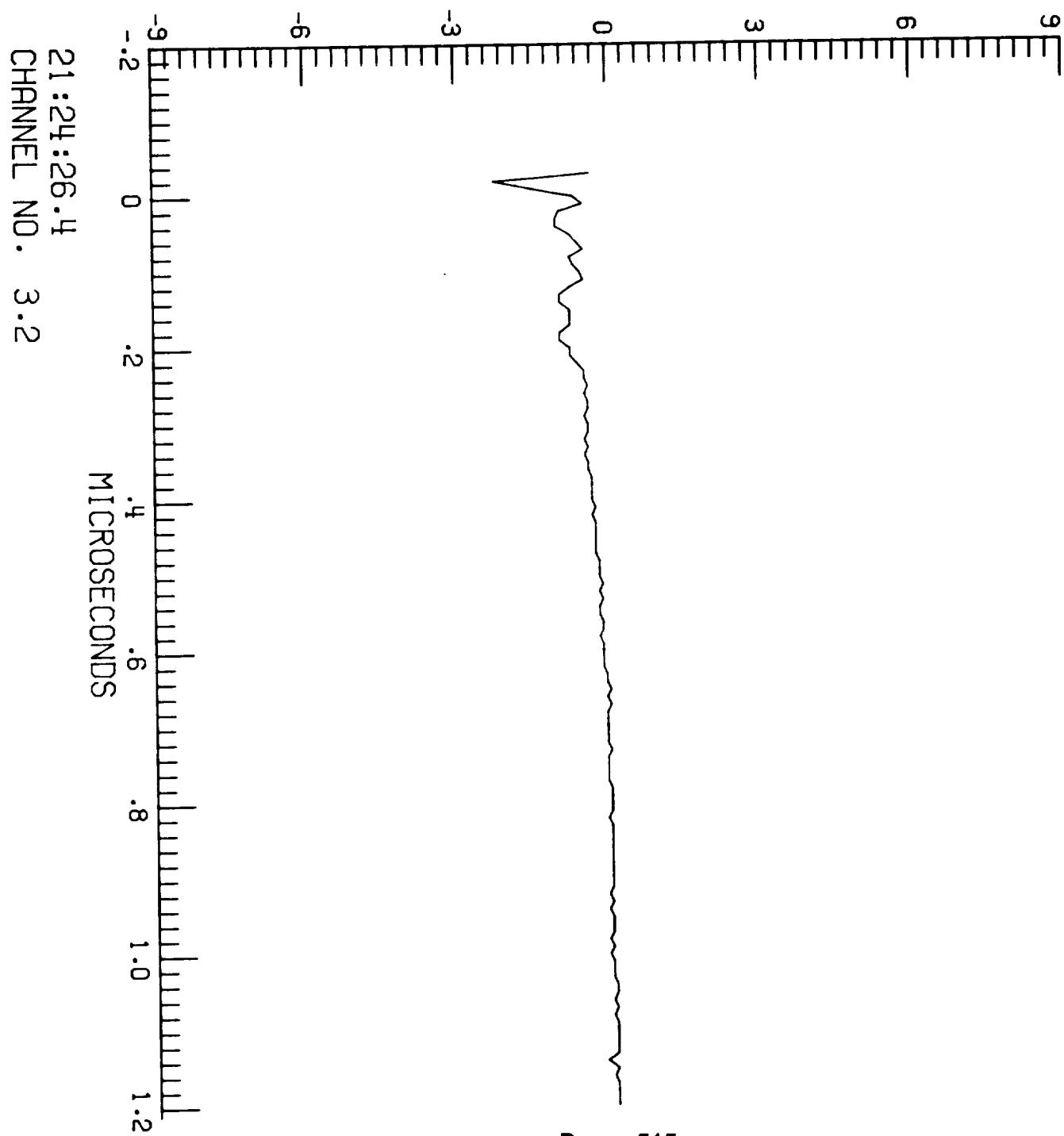
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S-001

\dot{D}_f A/m²



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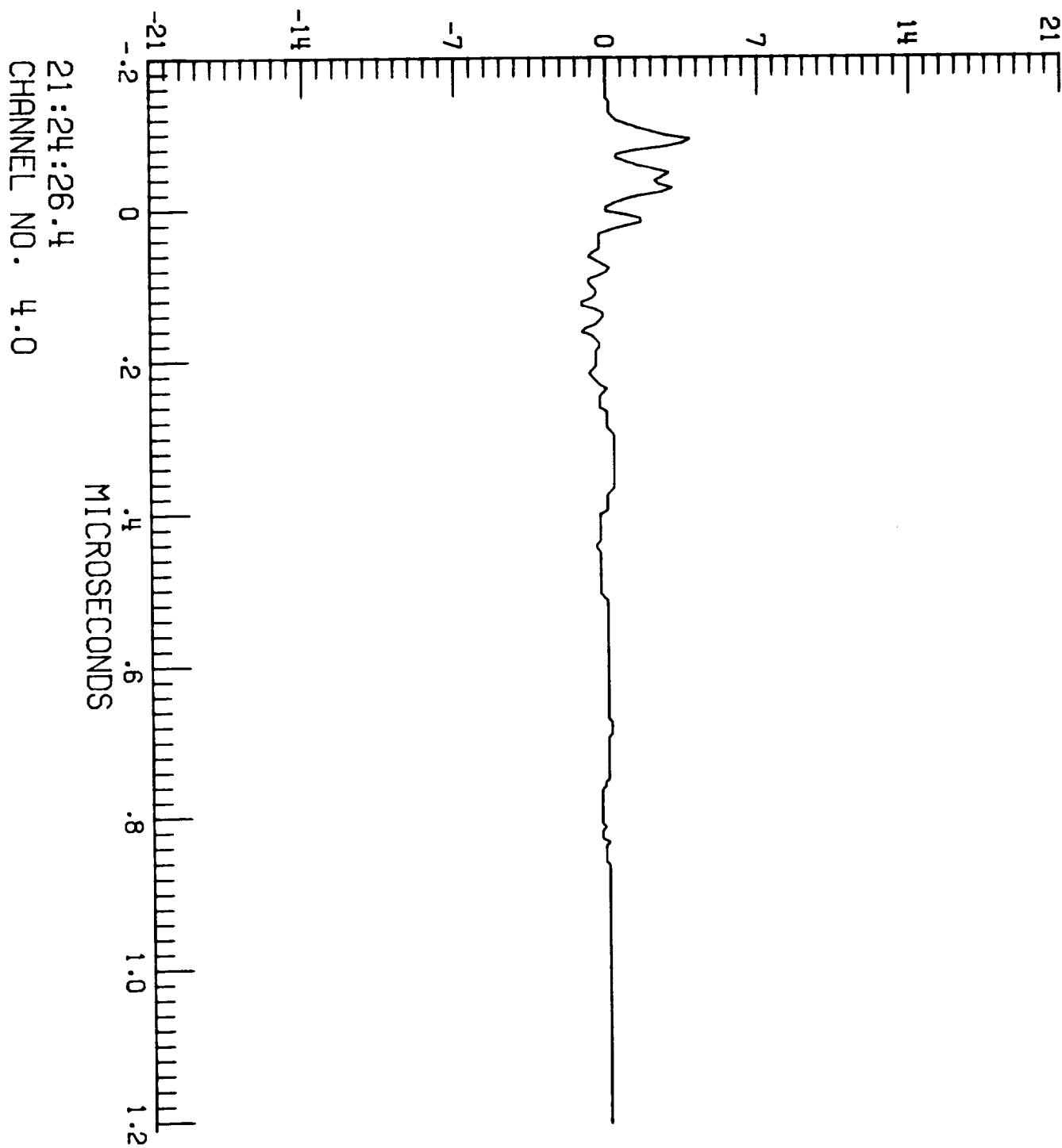
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LEC 4 RUN NO. 1

S-001

TP101

V



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F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP116

A

.27

.18

.09

0

-.09

-.18

-.27

-.2

0

.2

.4

.6

.8

1.0

1.2

MICROSECONDS

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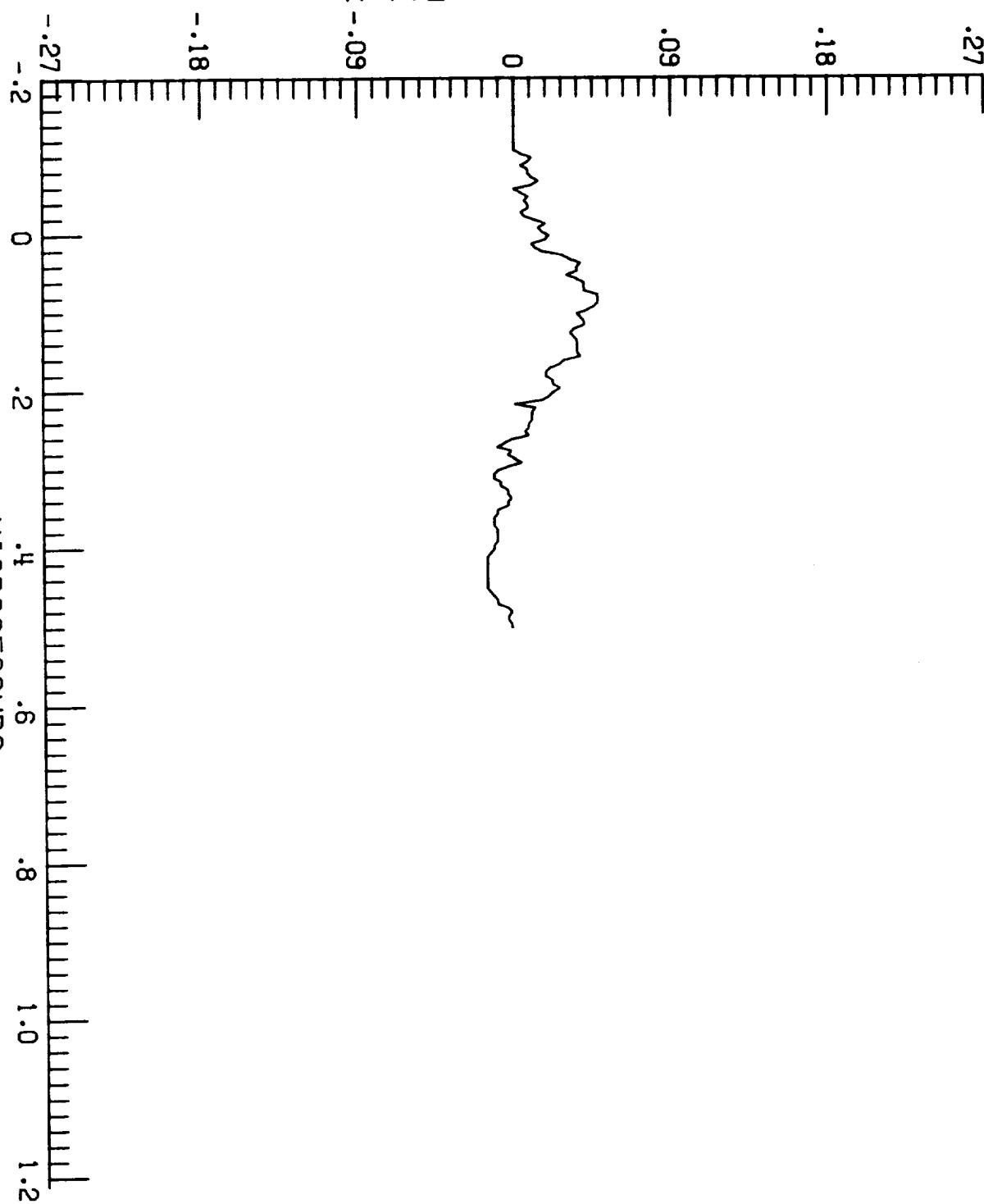
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S-001

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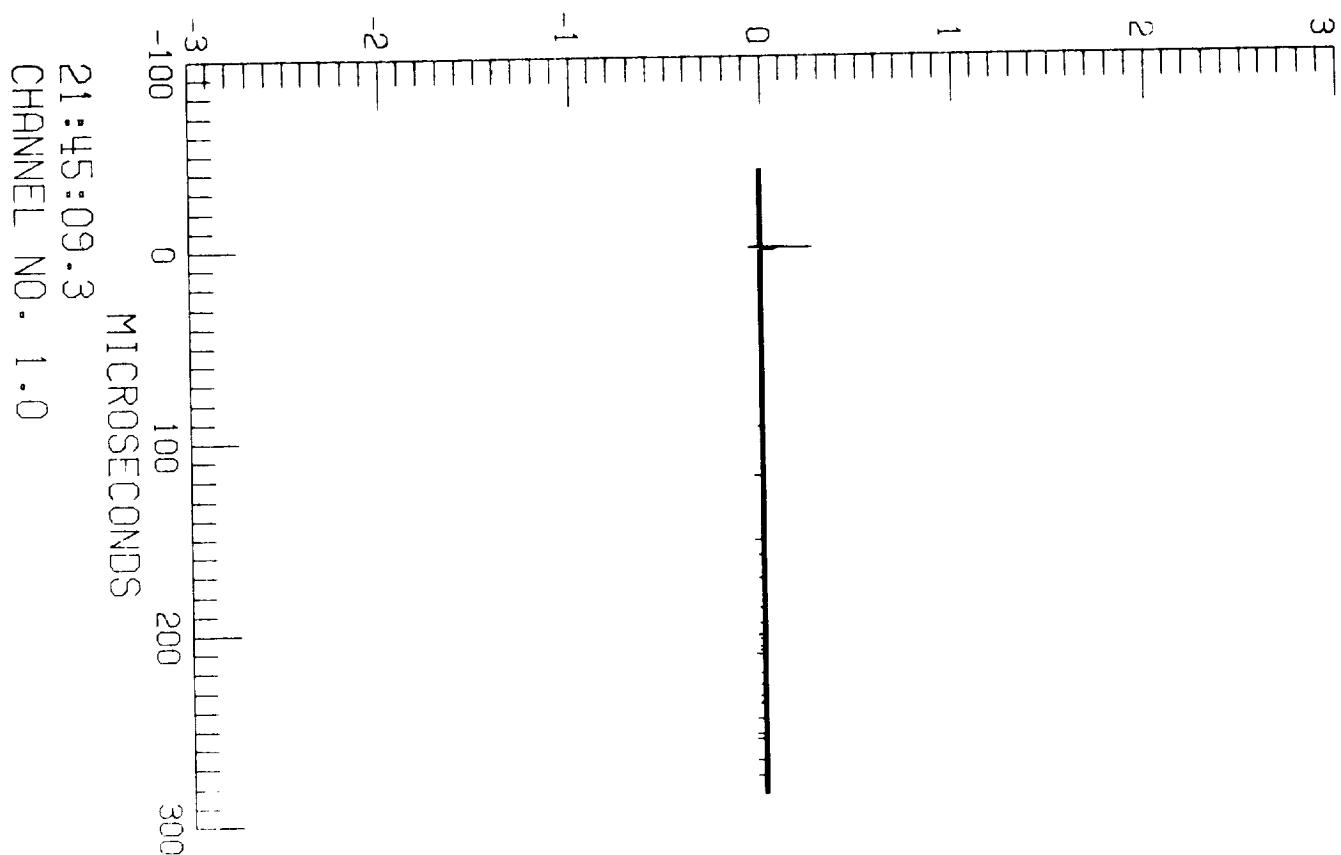
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LEC 1

RUN NO. 2

S-002

\dot{D}_t A/m²

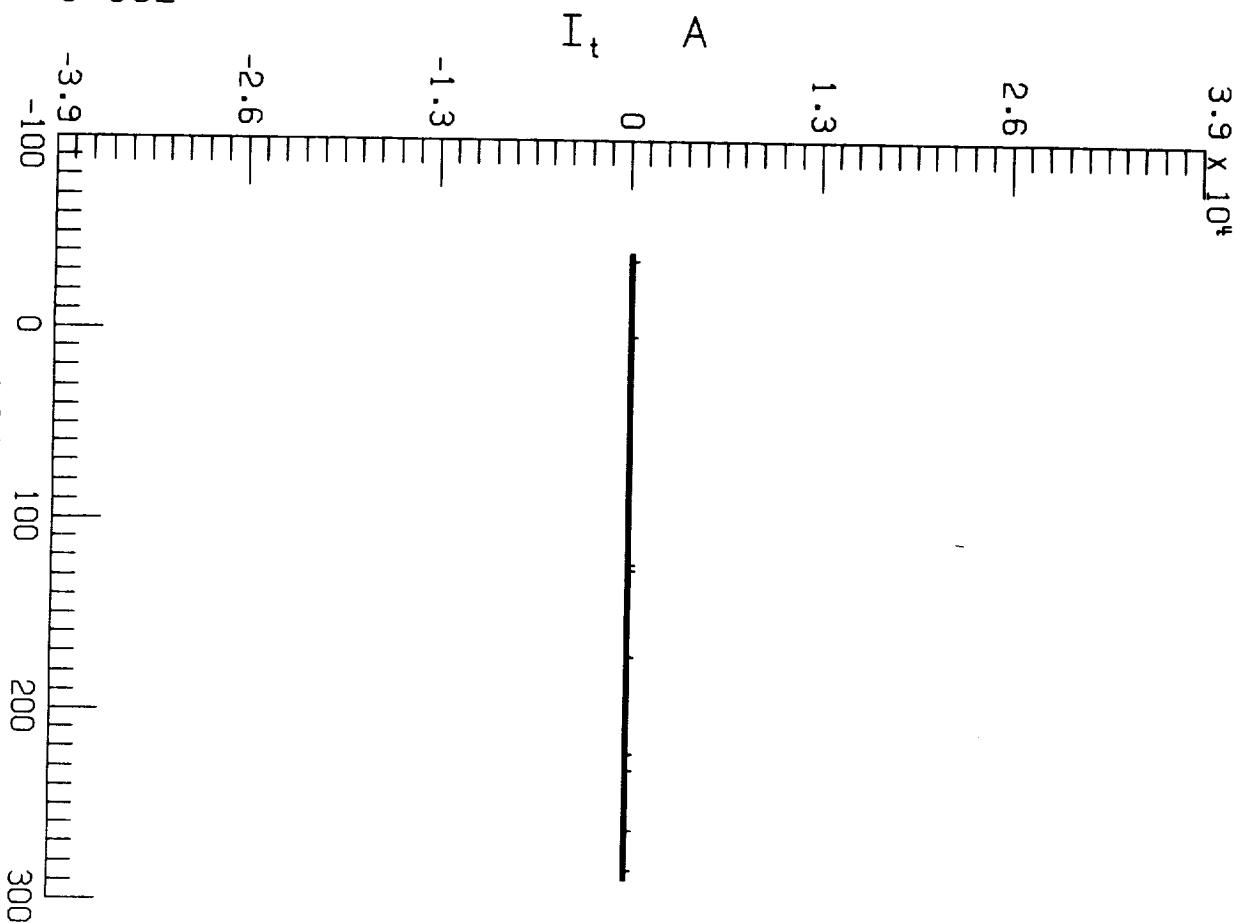


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CHANNEL NO. 1.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 2

S-002



21:45:09.3
CHANNEL NO. 1-2

F106 LIGHTNING/85-032/ZAEPFEL

LEC 2

RUN NO. 2

S-002

$\cdot B_{w1}$

T/s

300

600

900

-300

-600

-900

-100

0

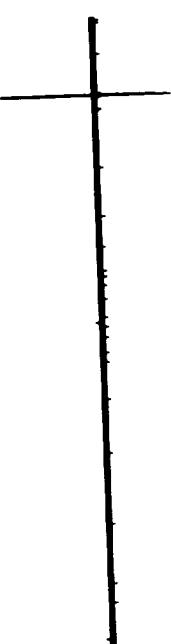
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100

200

300

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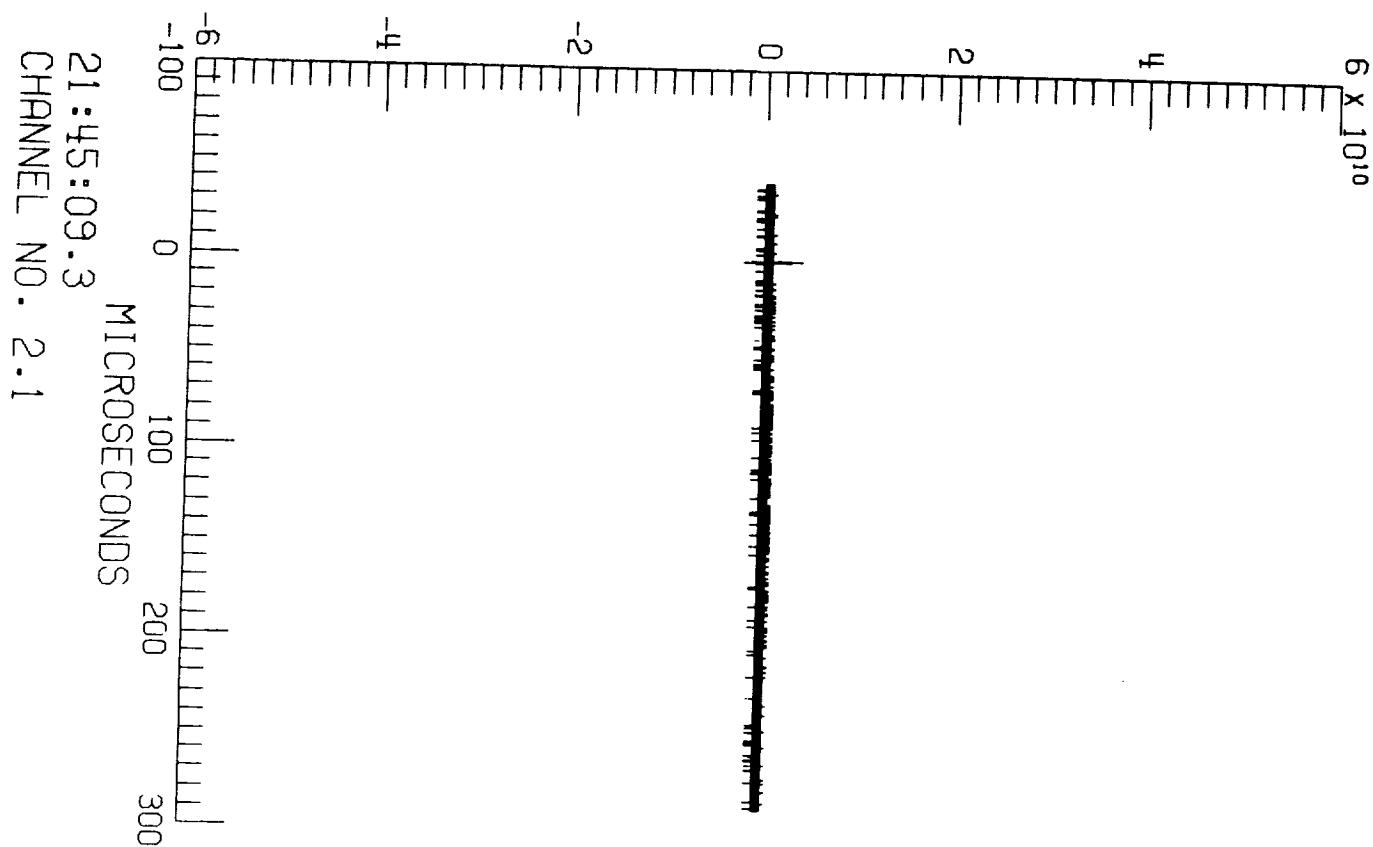
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LEC 2

RUN NO. 2

S-002

\dot{I} A/s



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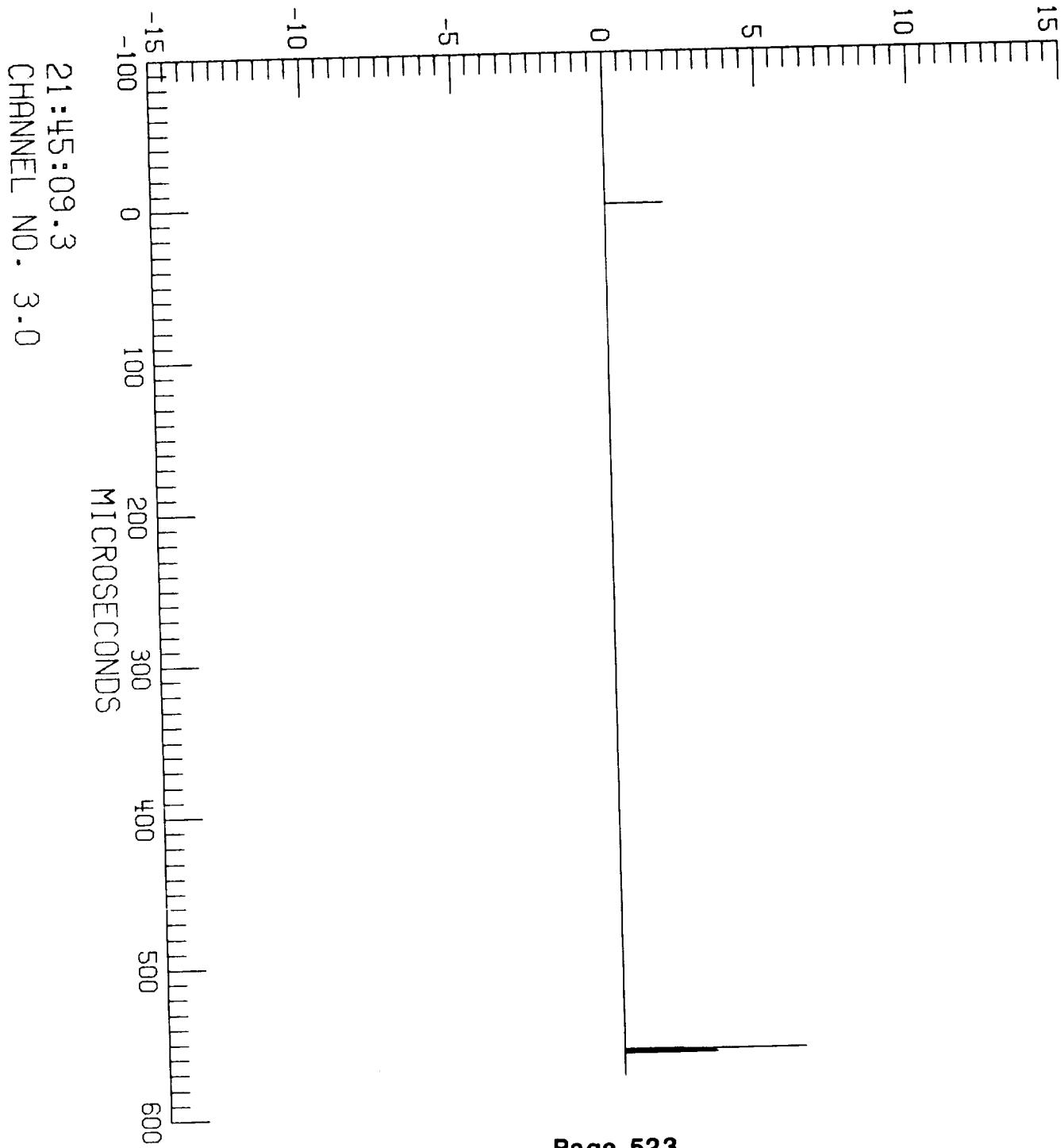
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LEC 3

RUN NO. 2

S-002

\dot{D}_{wr} A/m²

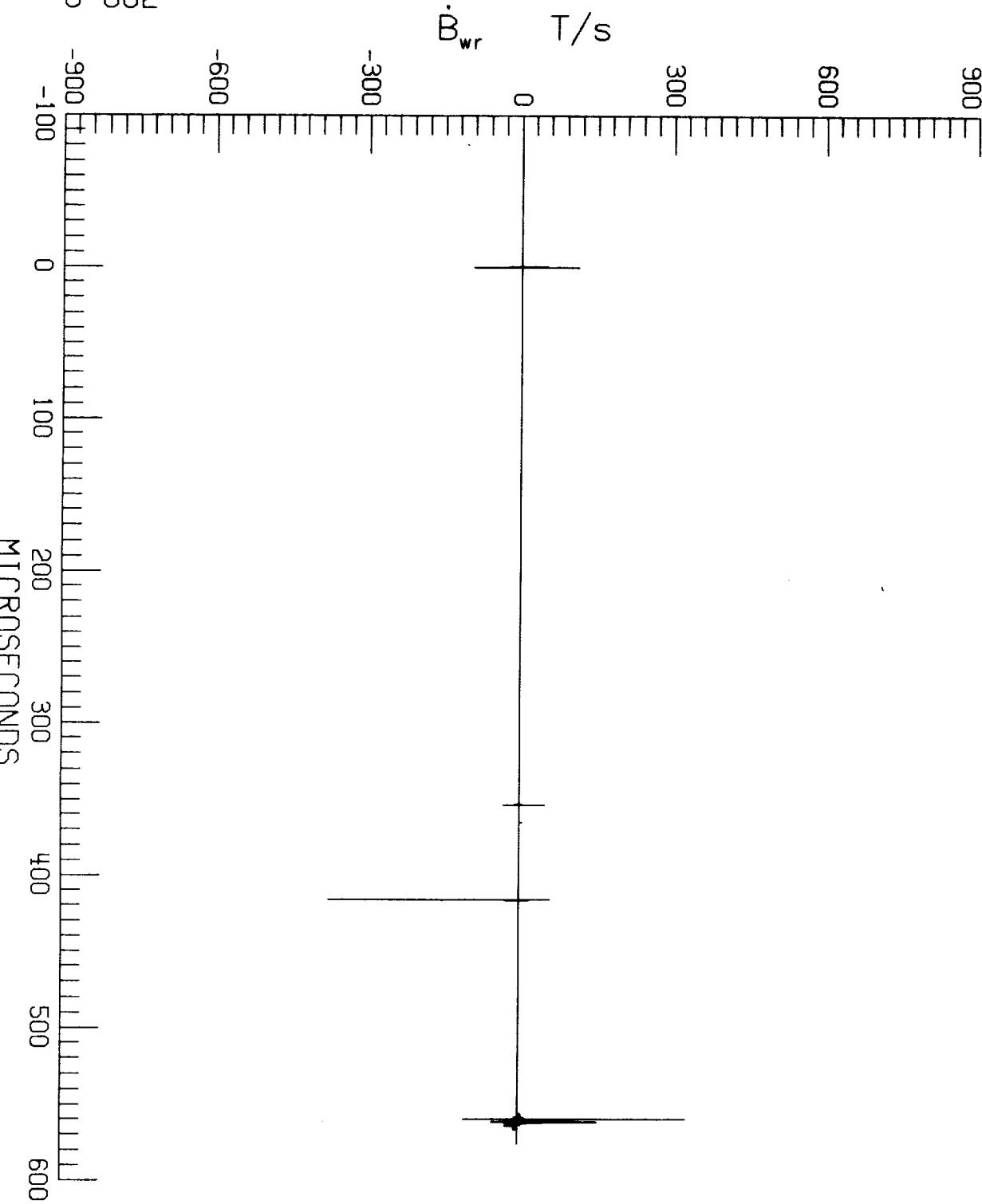


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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002



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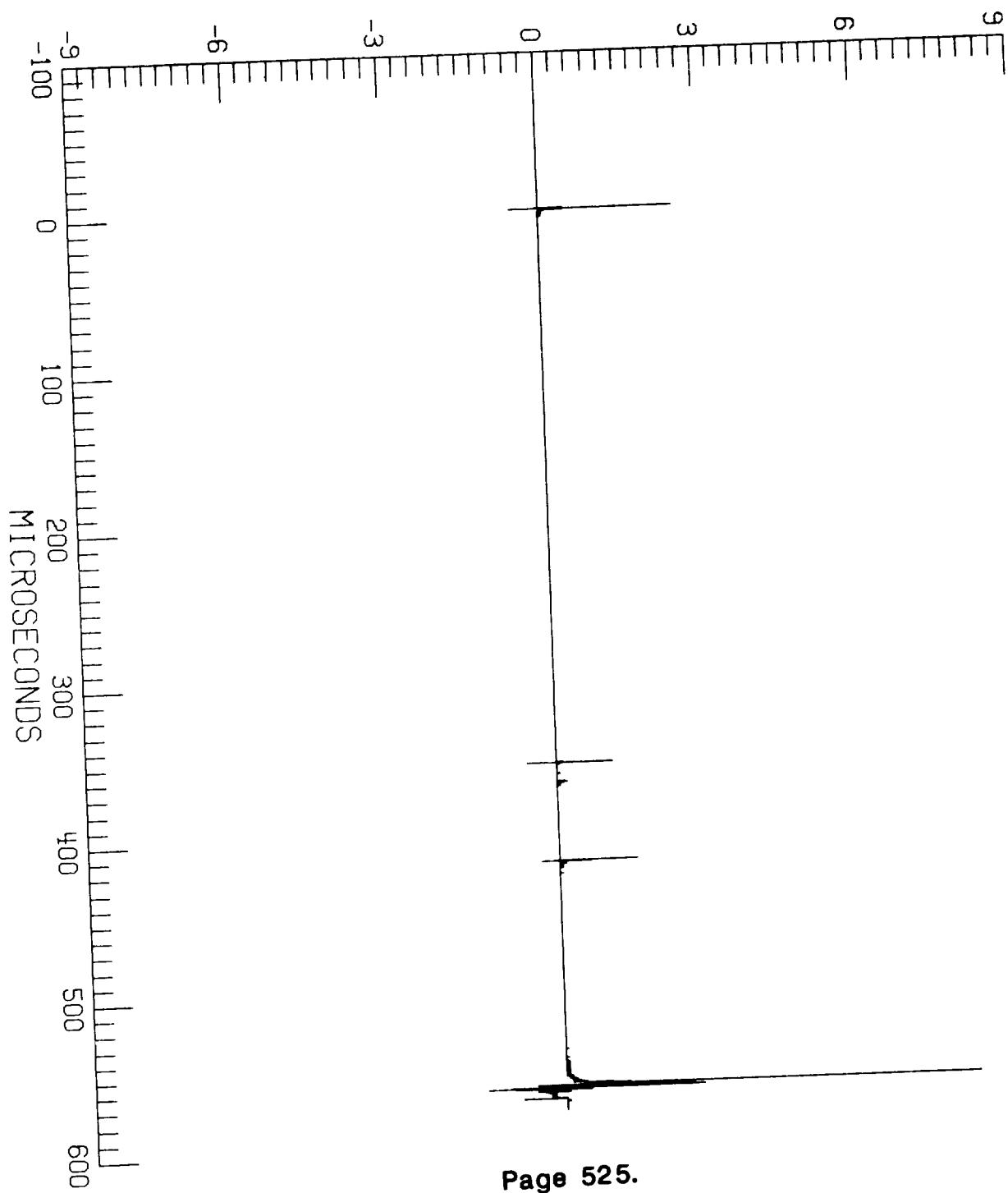
LEC 3

RUN NO. 2

S-002

D_f A/m²

21:45:09.3
CHANNEL NO. 3-2



F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP101

V

21

14

7

0

-7

-14

-21



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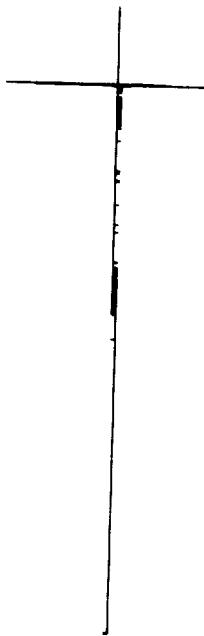
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0 100

200

300

CHANNEL NO. 4.0



F106 LIGHTNING/85-032/ZAEPFEL

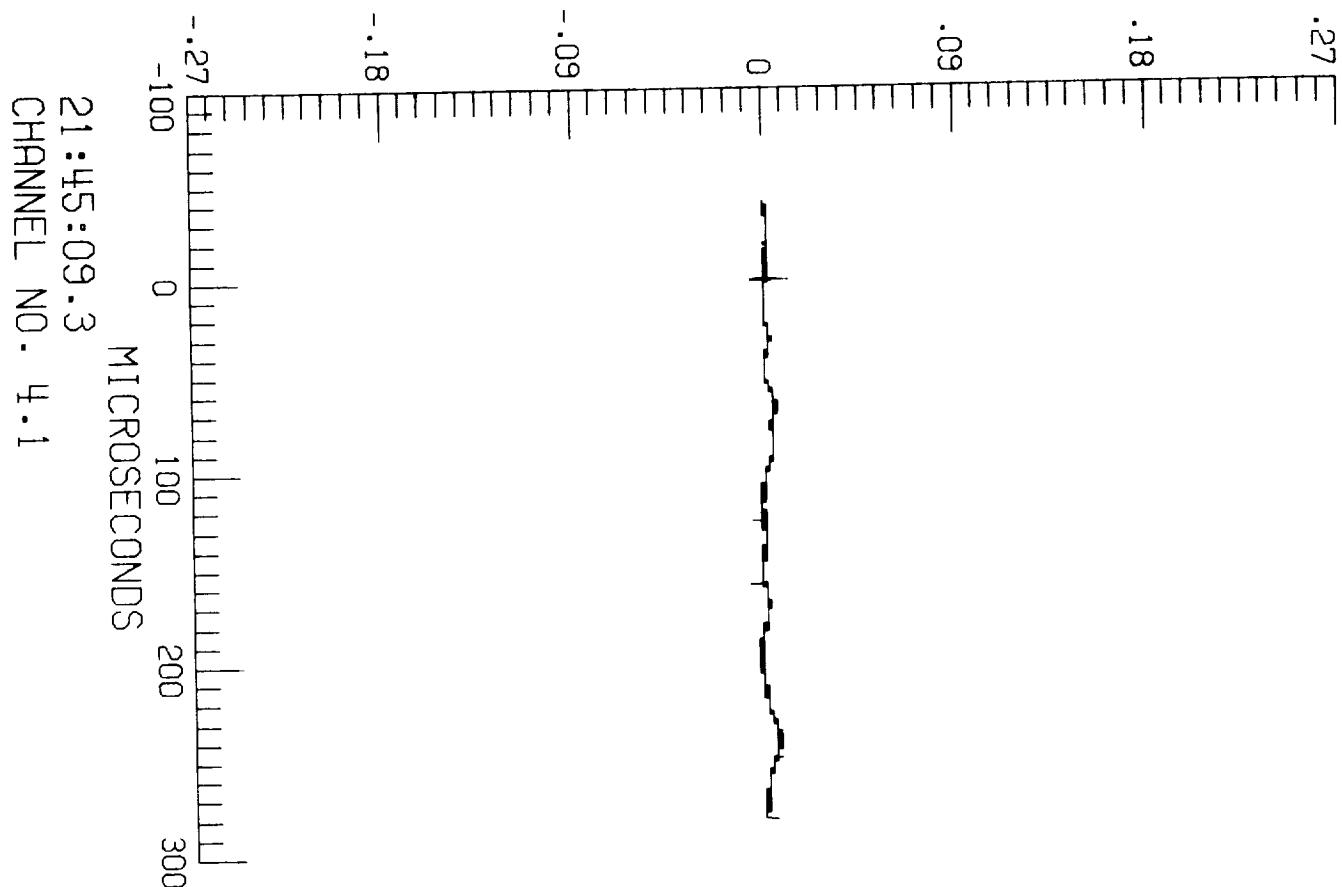
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RUN NO. 2

S-002

TP116

A



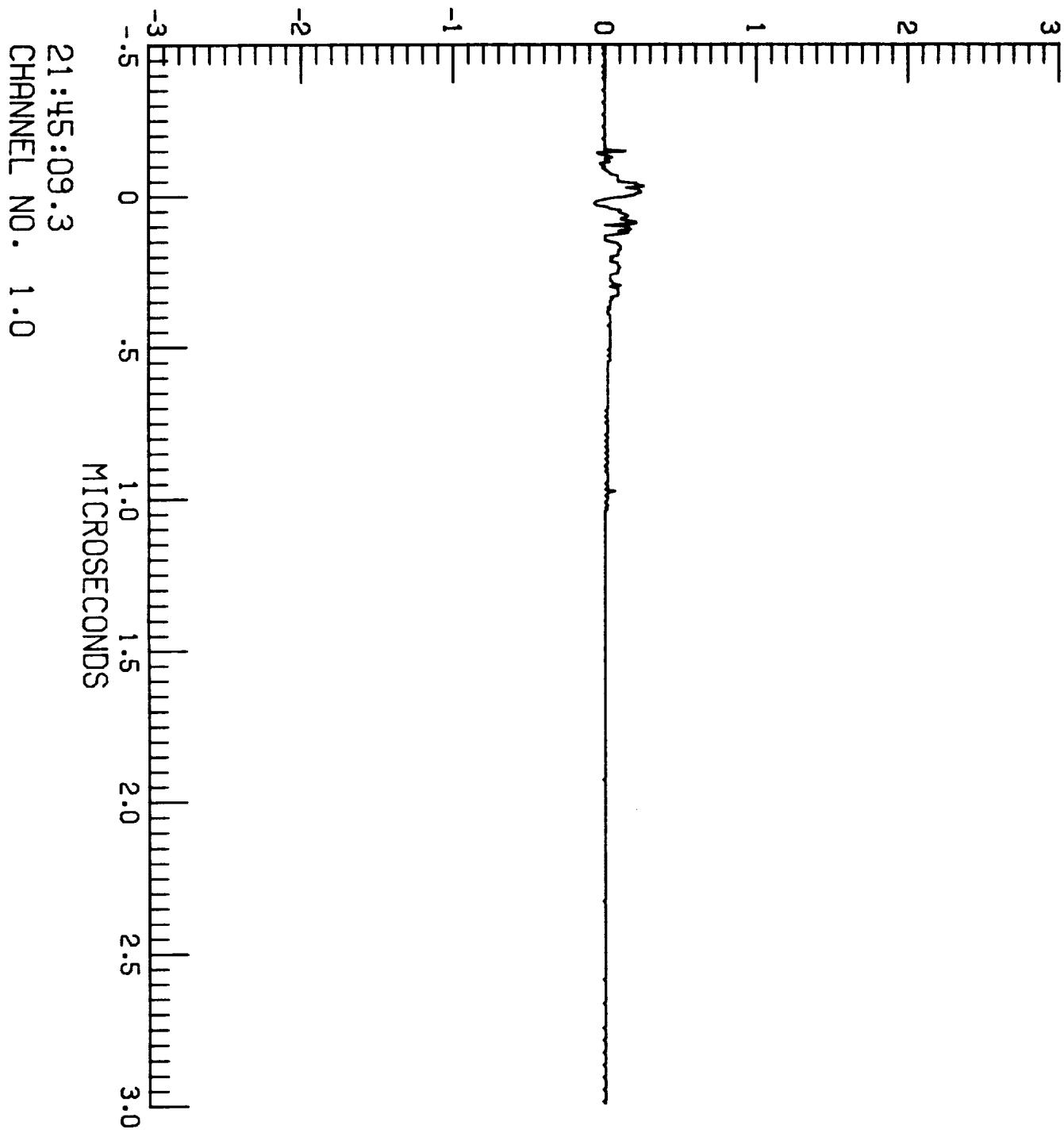
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 2

S-002

\dot{D}_t A/m²



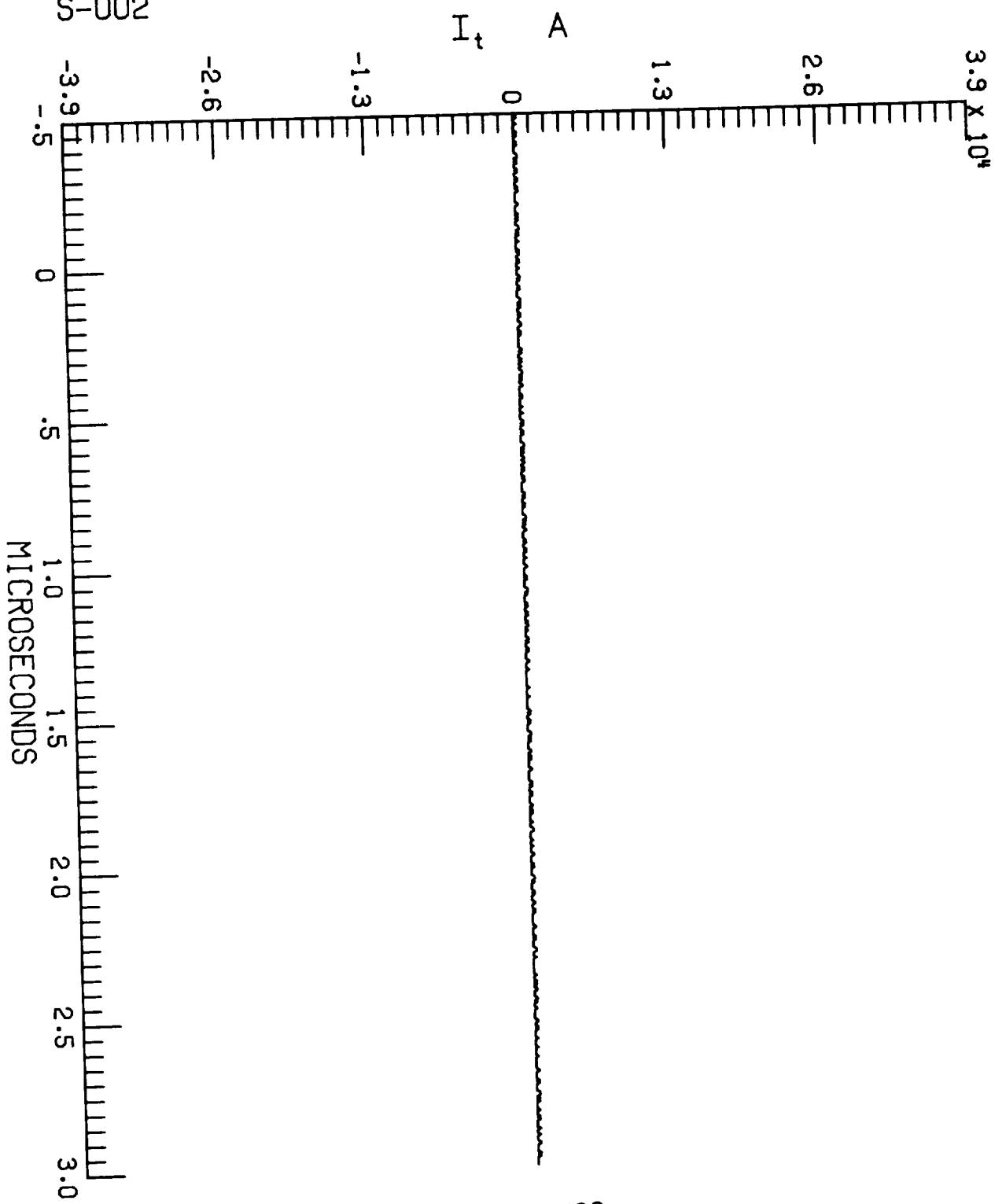
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 2

S-002

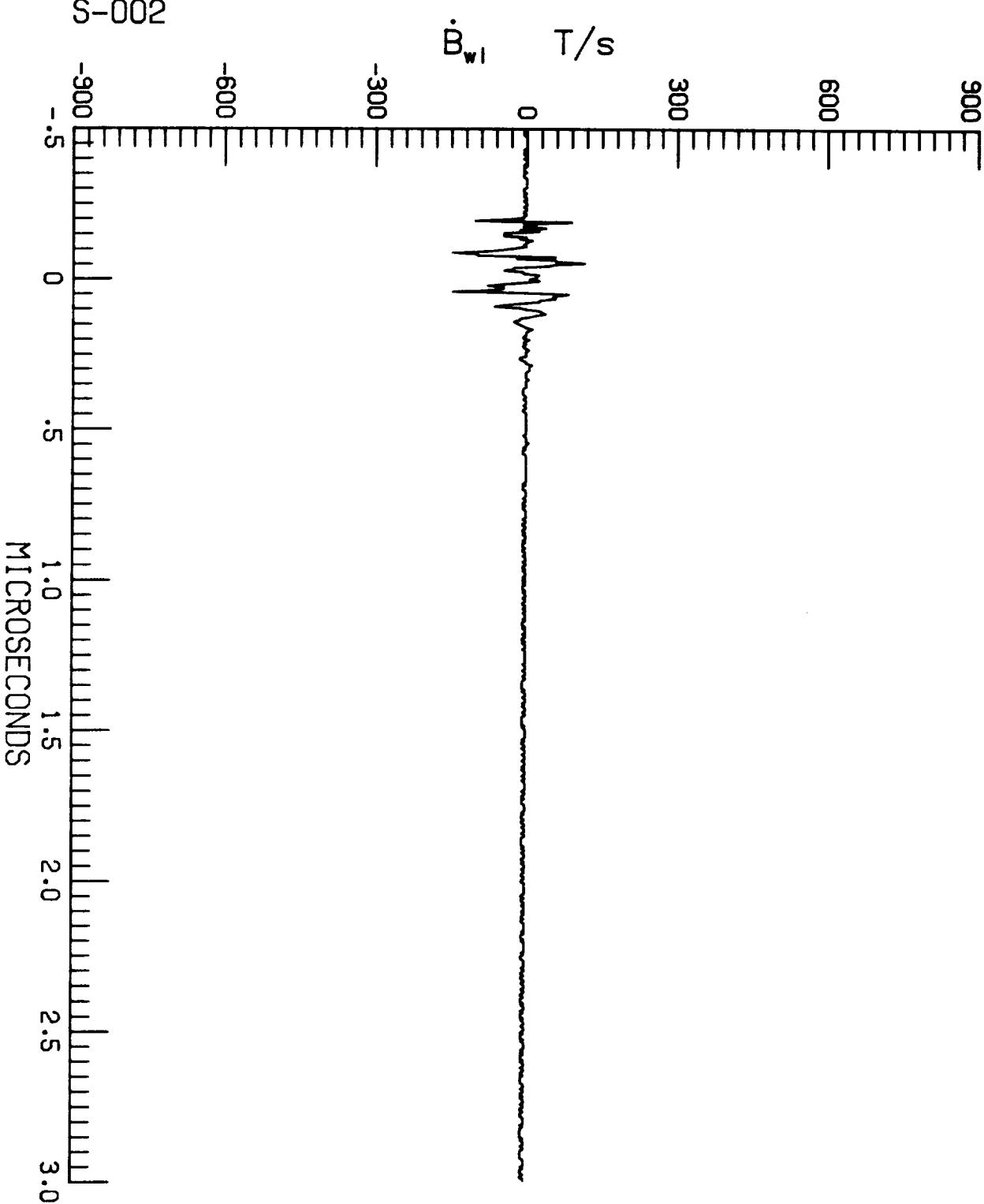
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 2

S-002



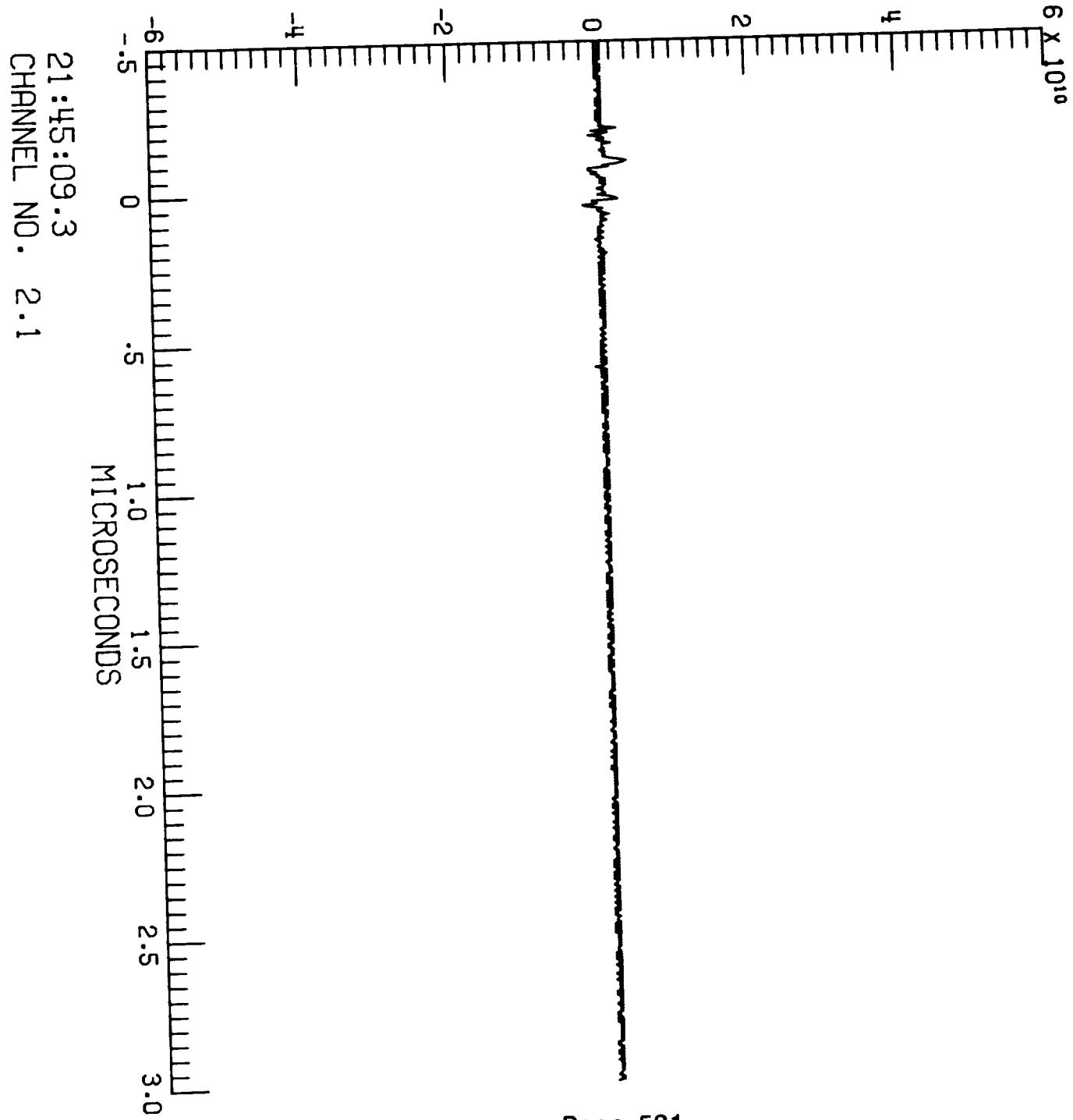
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LEC 2 RUN NO. 2

S-002

\dot{I} A/s

6×10^{10}

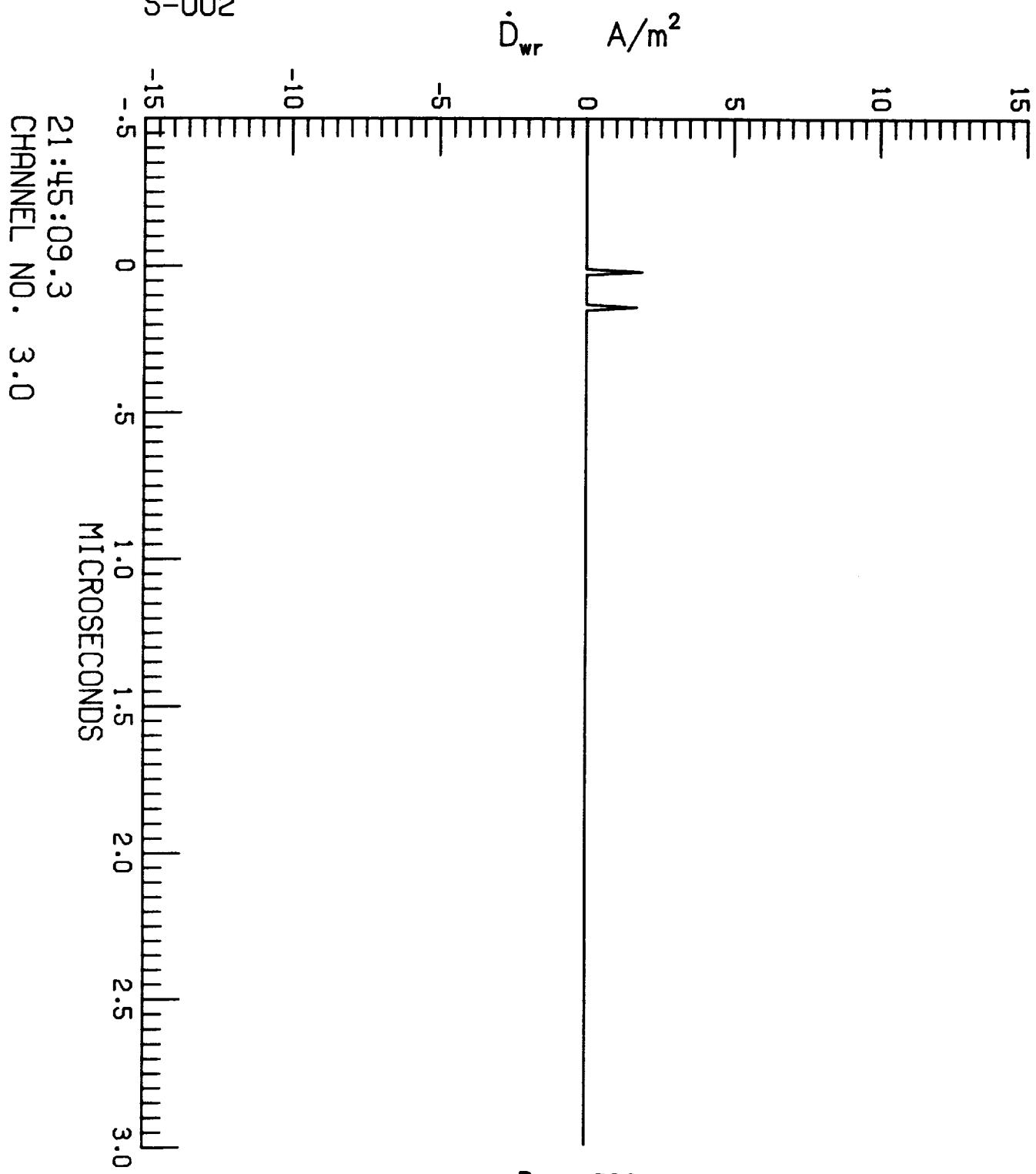


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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002

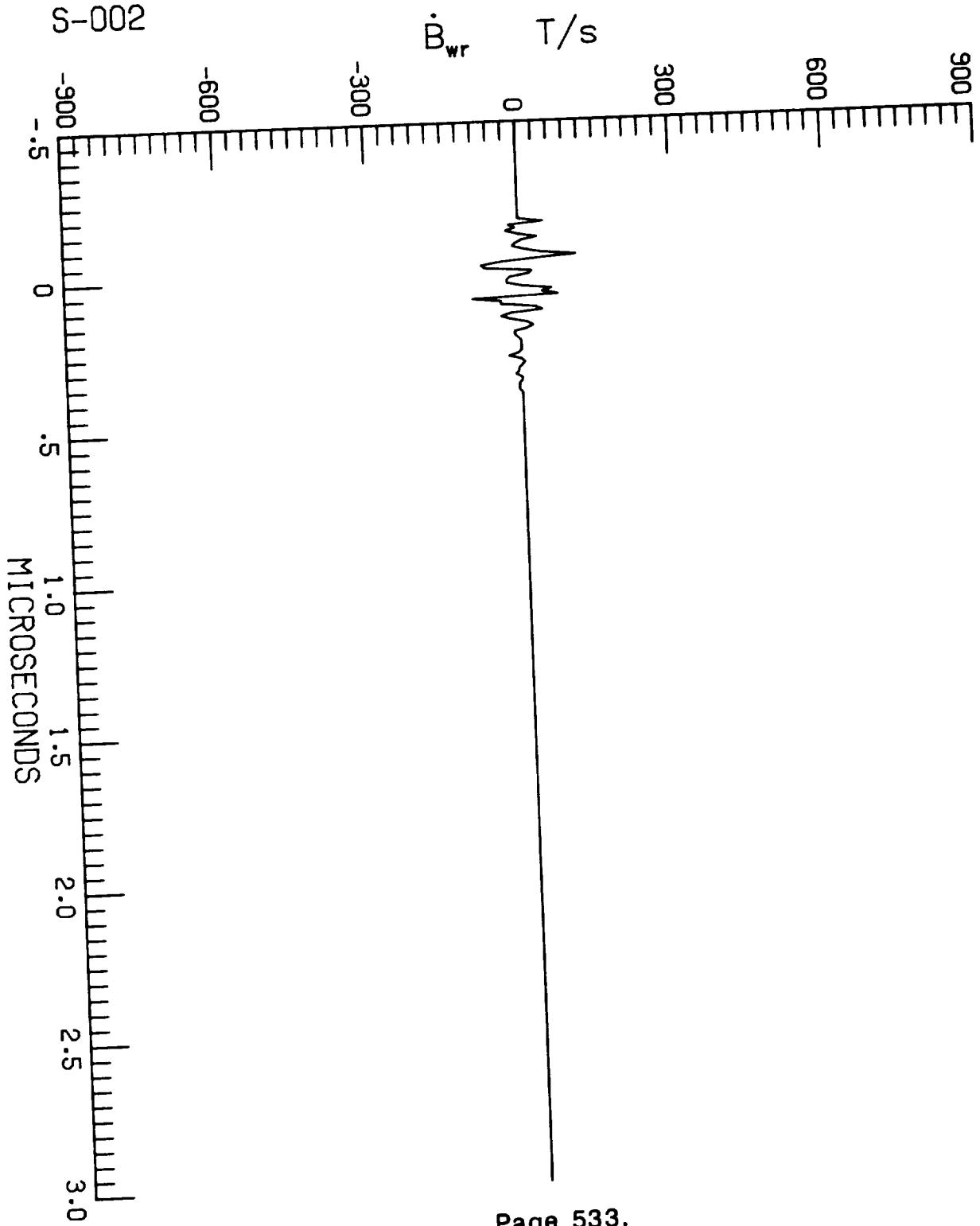


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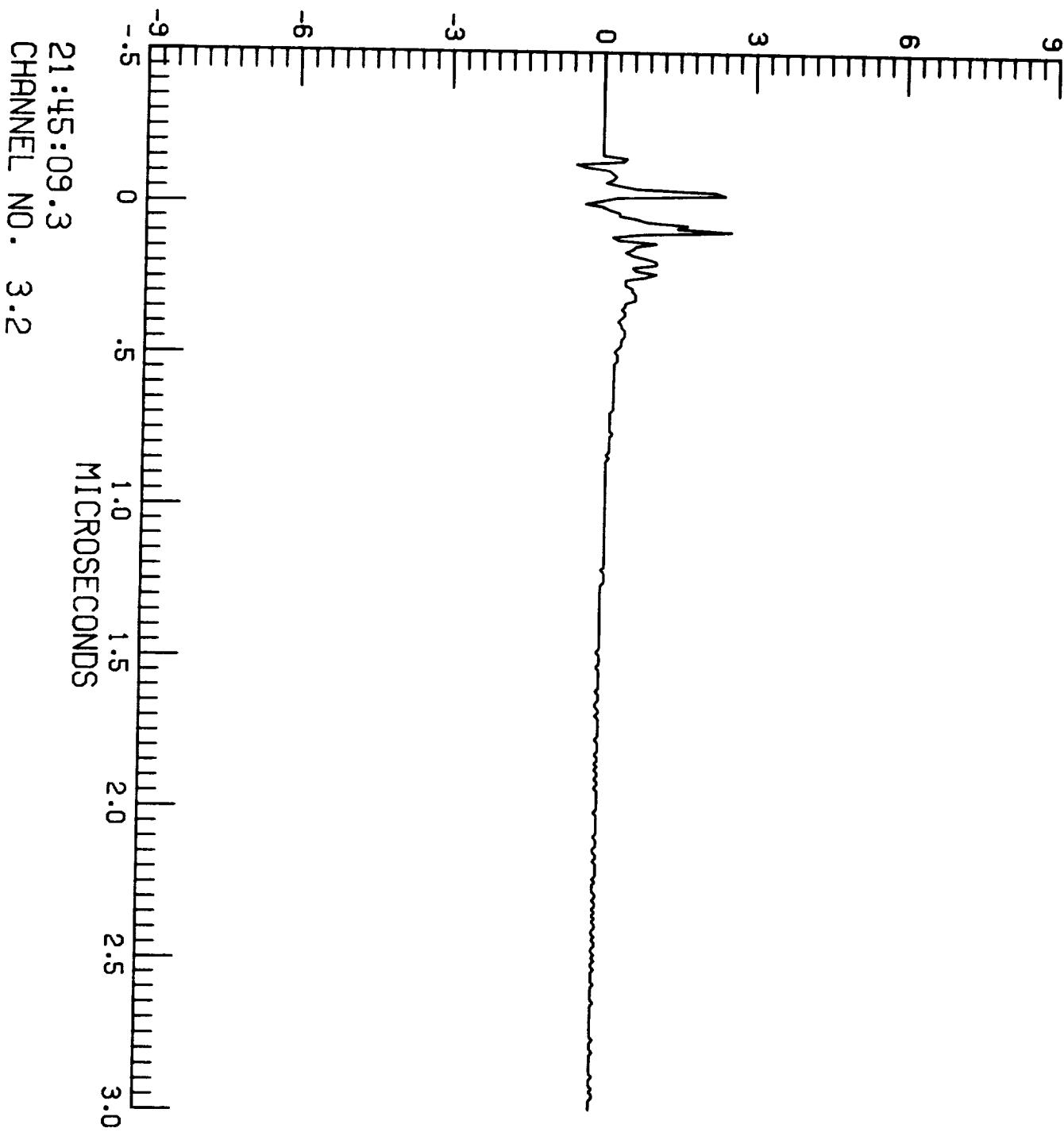


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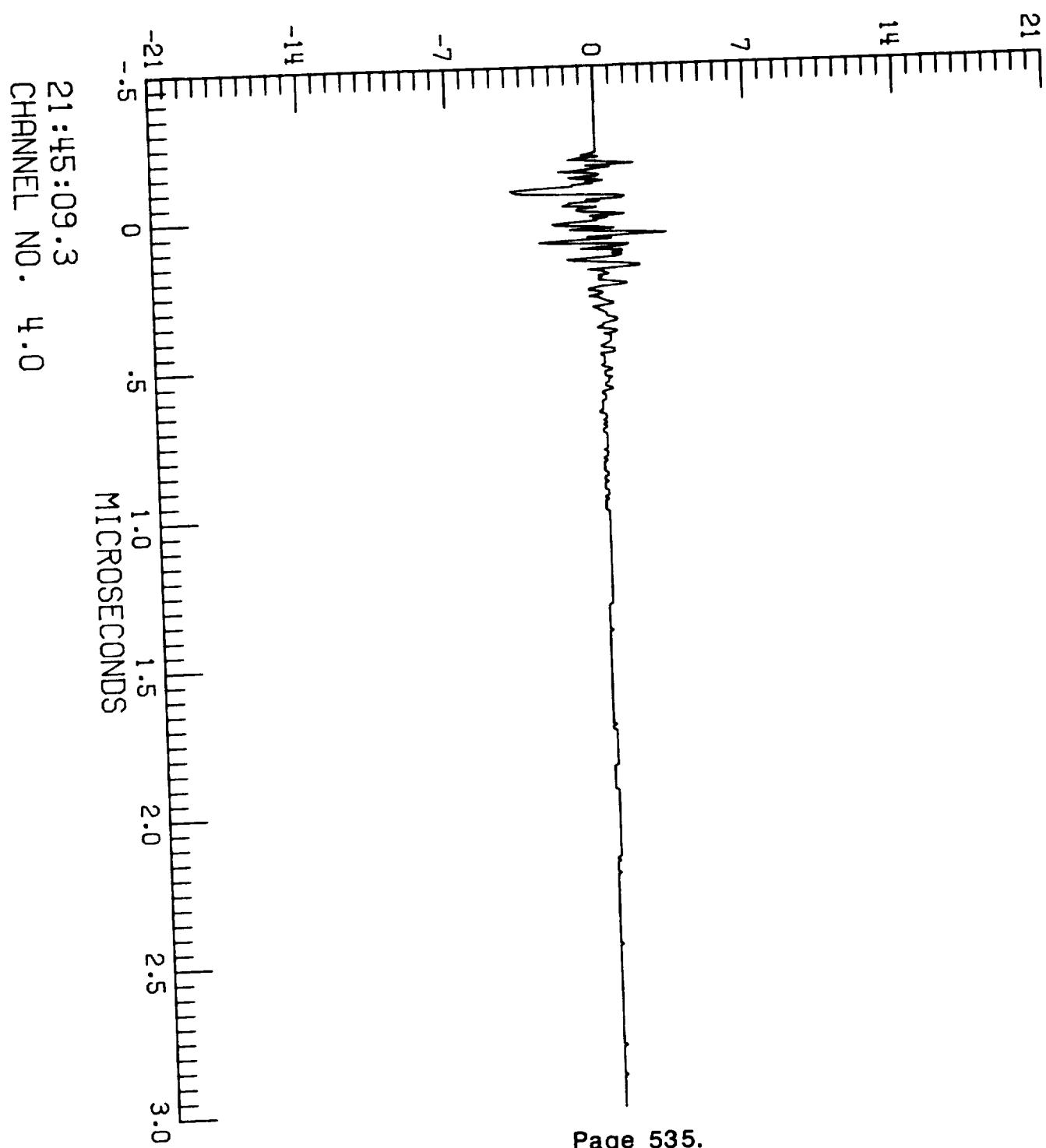
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LEC 4 RUN NO. 2

S-002

TP101

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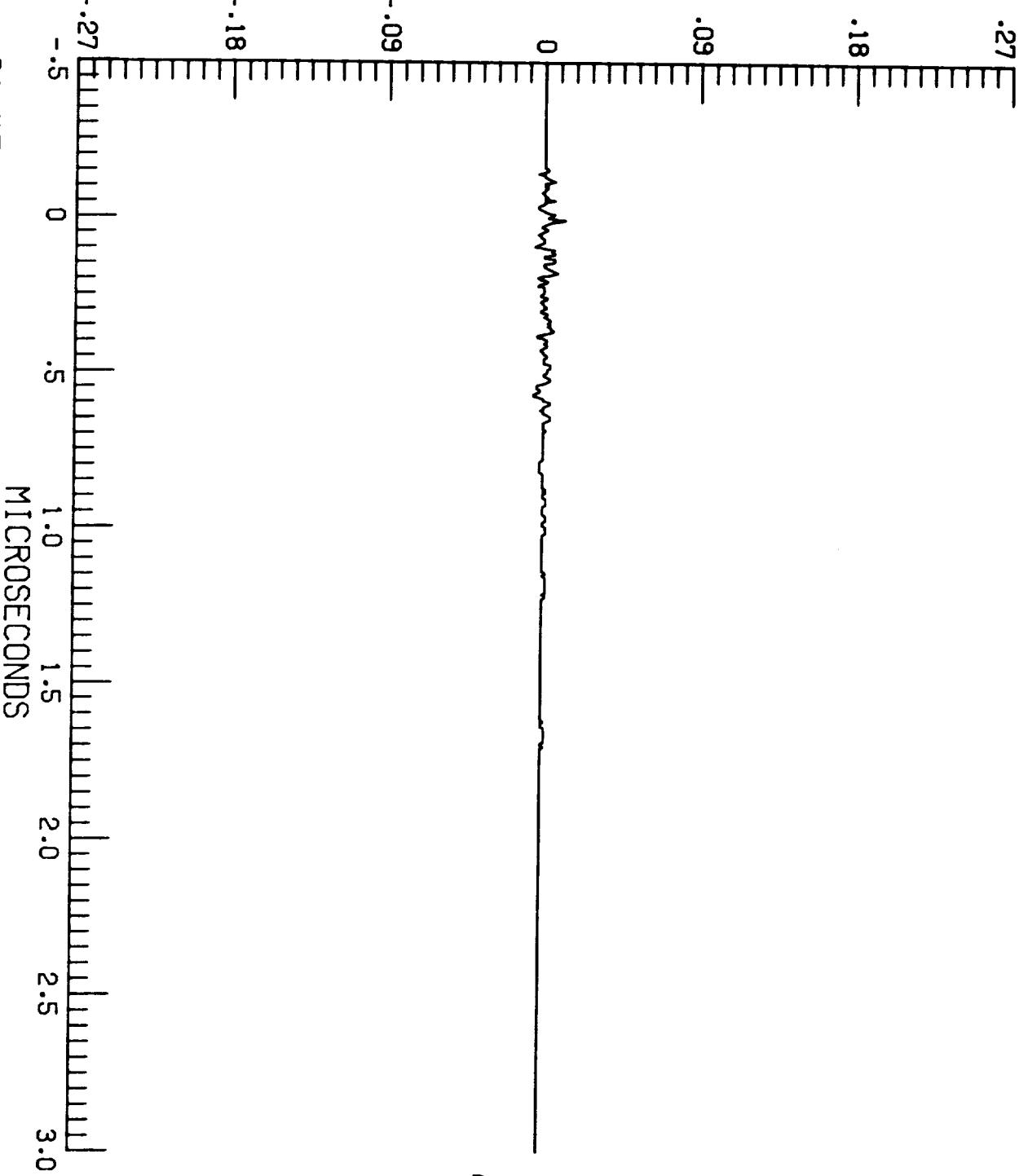
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LEC 4 RUN NO. 2

S-002

TP116
T -.09

A



21:45:09.3
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP112

A

.09

.18

.27

-.18

-.09

0

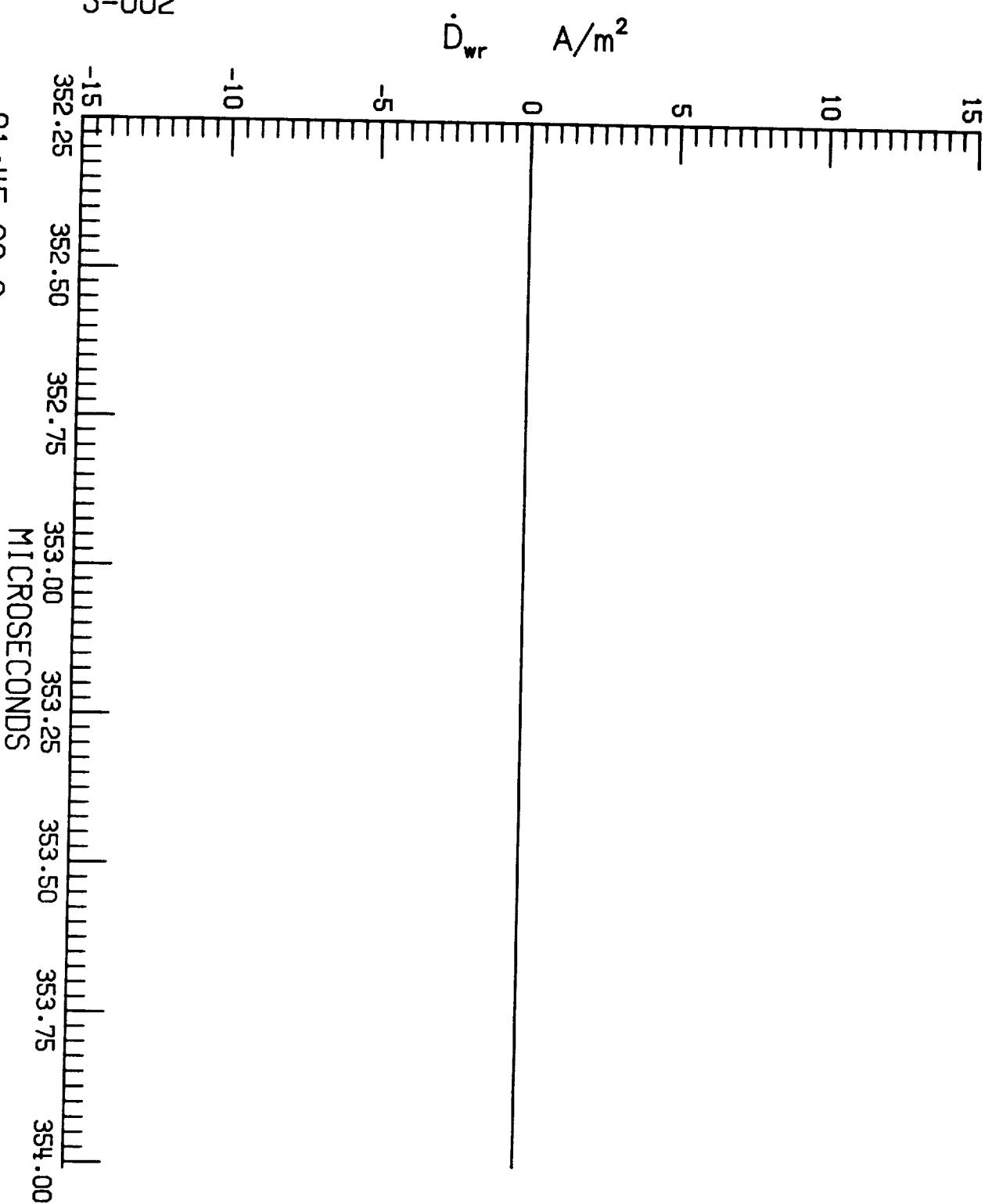
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

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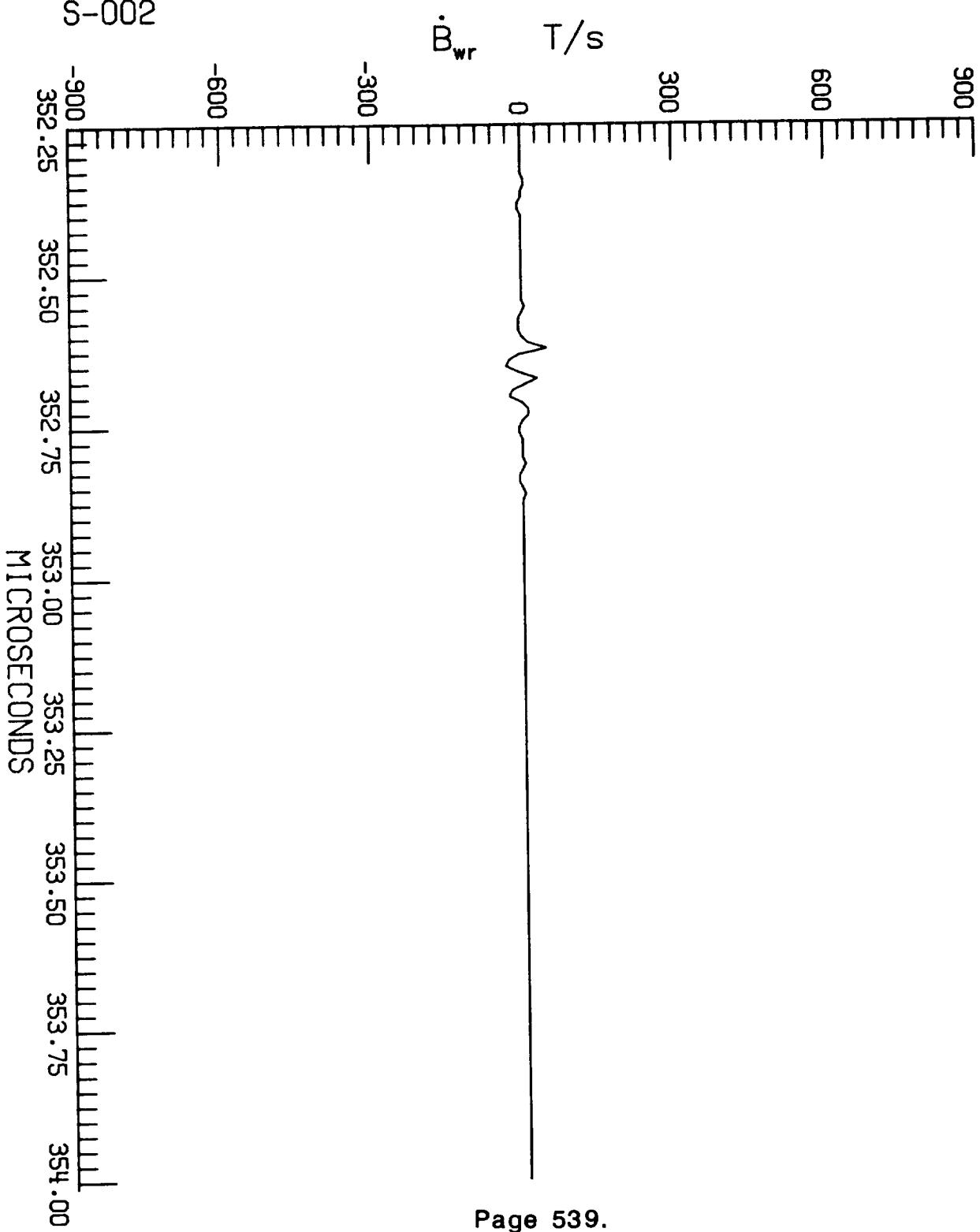
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F106 LIGHTNING/85-032/ZAEPFEL

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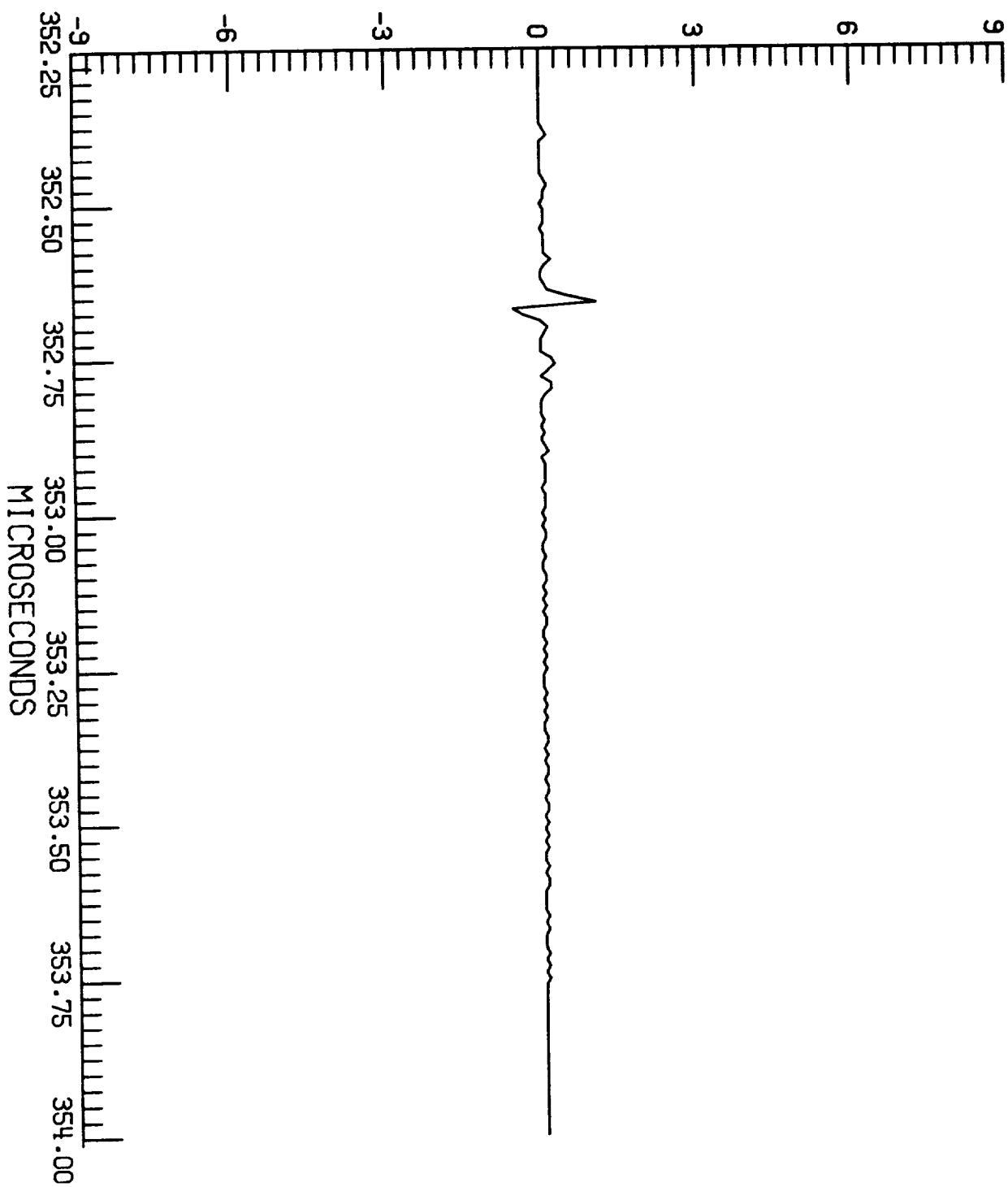


F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002

$\cdot D_f$ A/m²



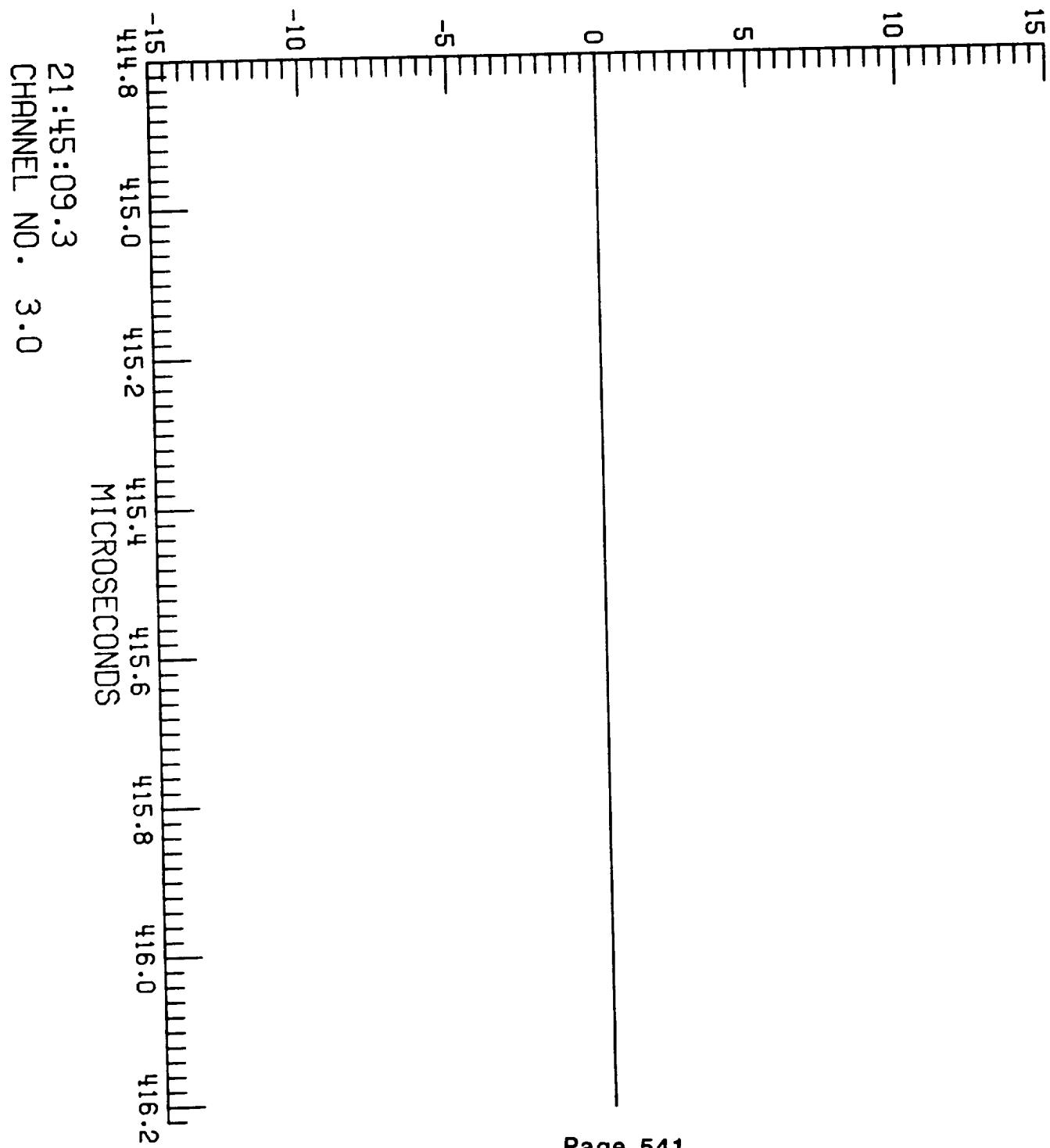
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

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\dot{D}_{wr} A/m²

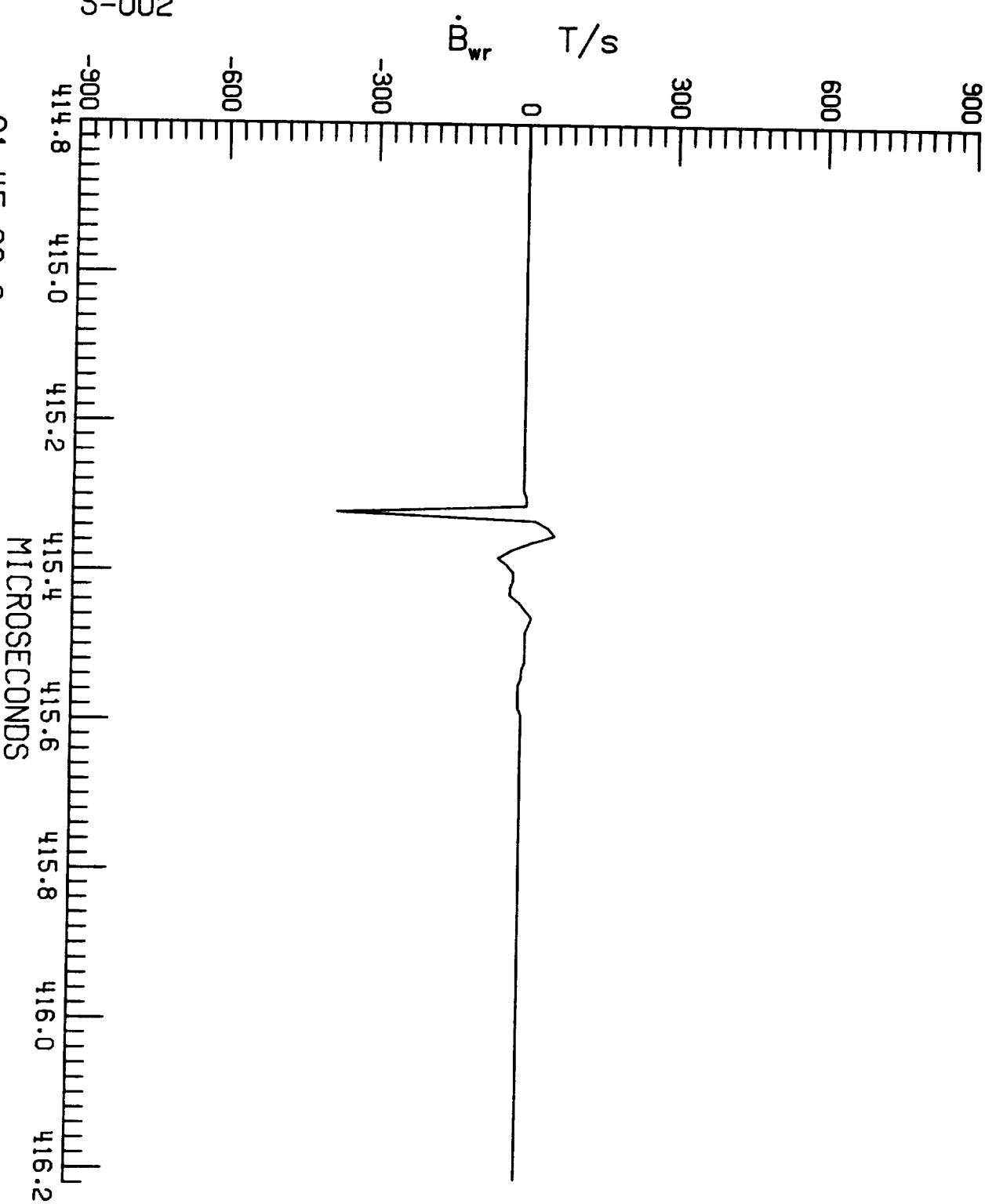


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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

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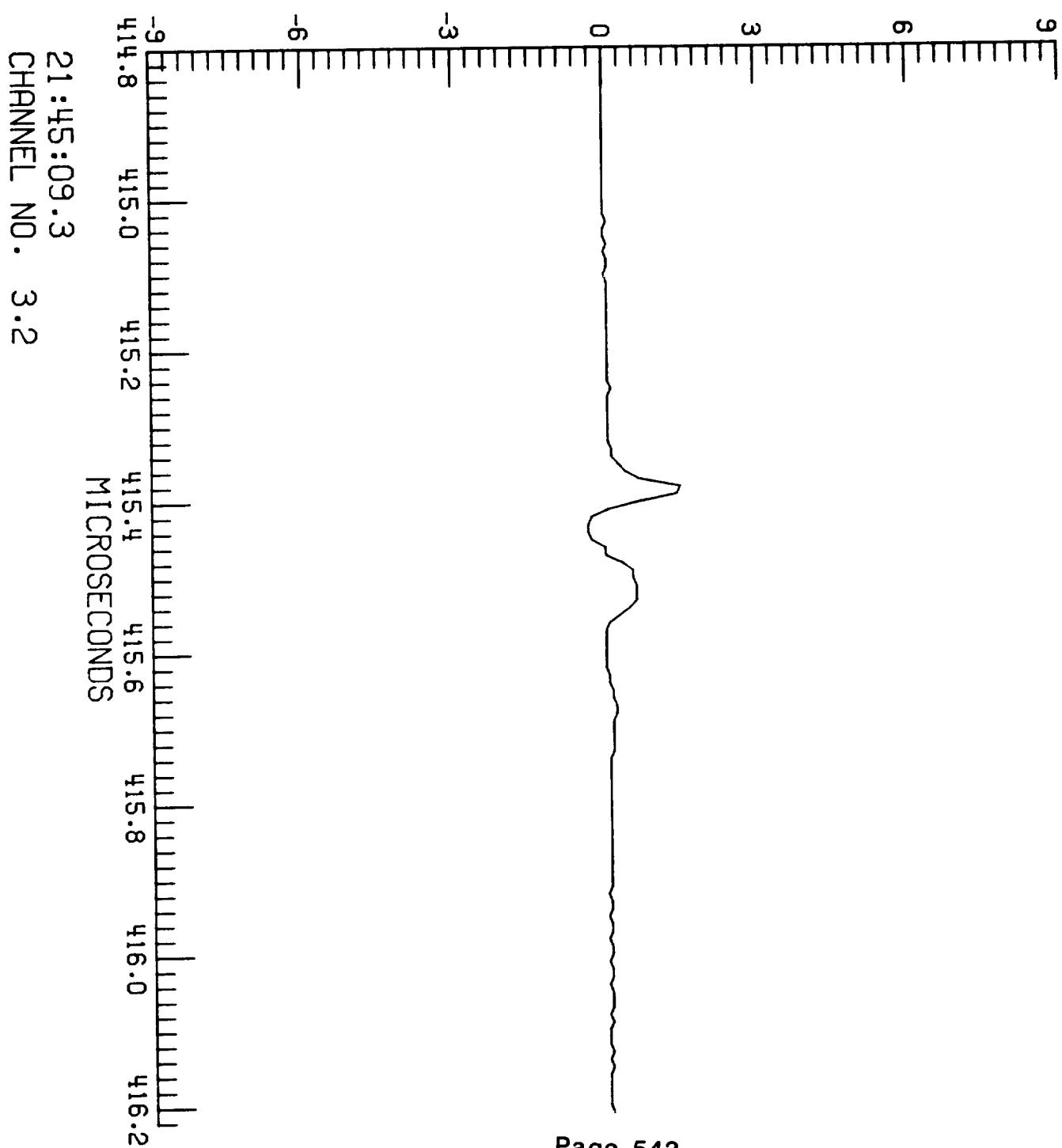
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

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\dot{D}_f A/m²



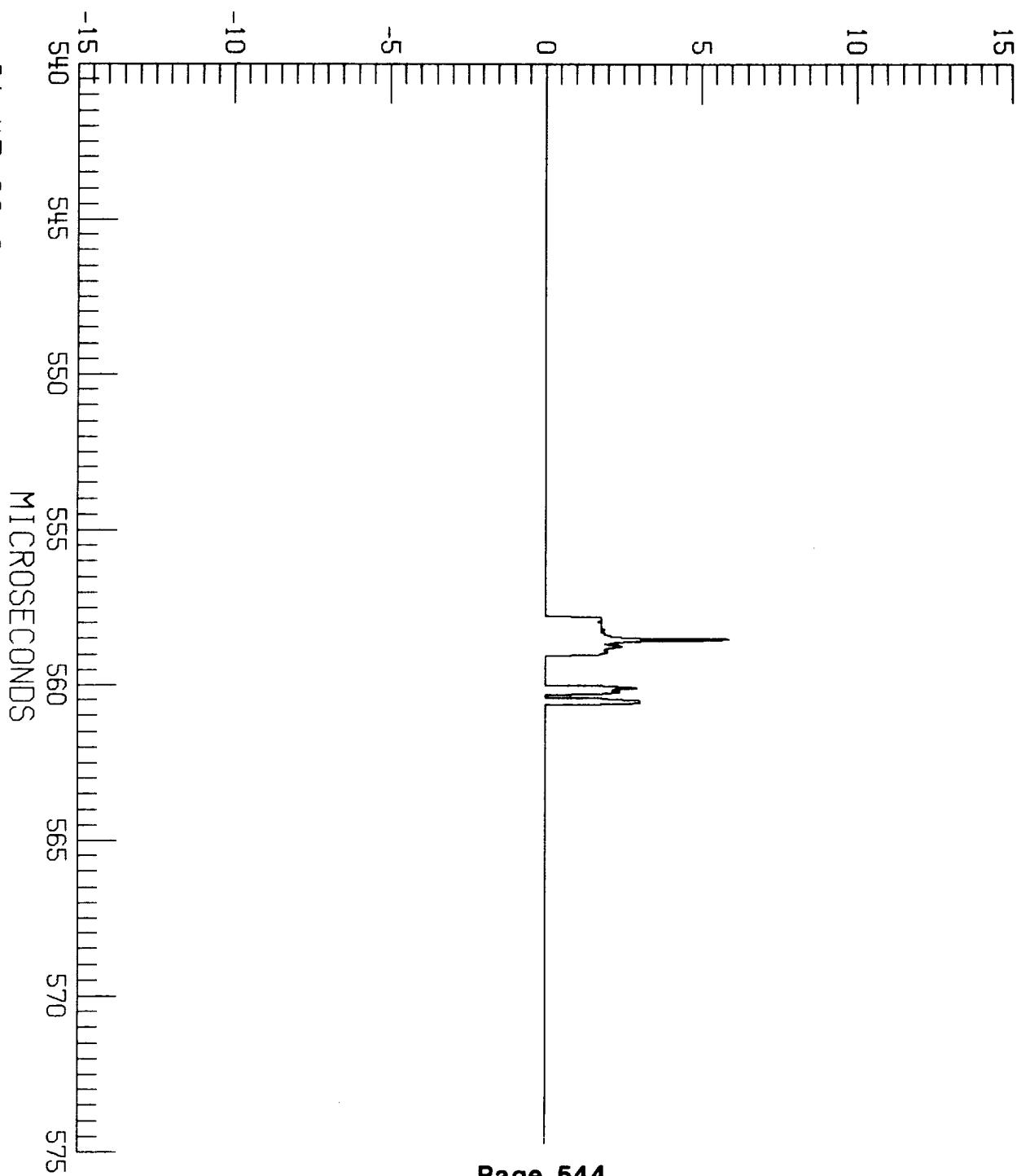
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002

$\cdot D_{wr}$ A/m²



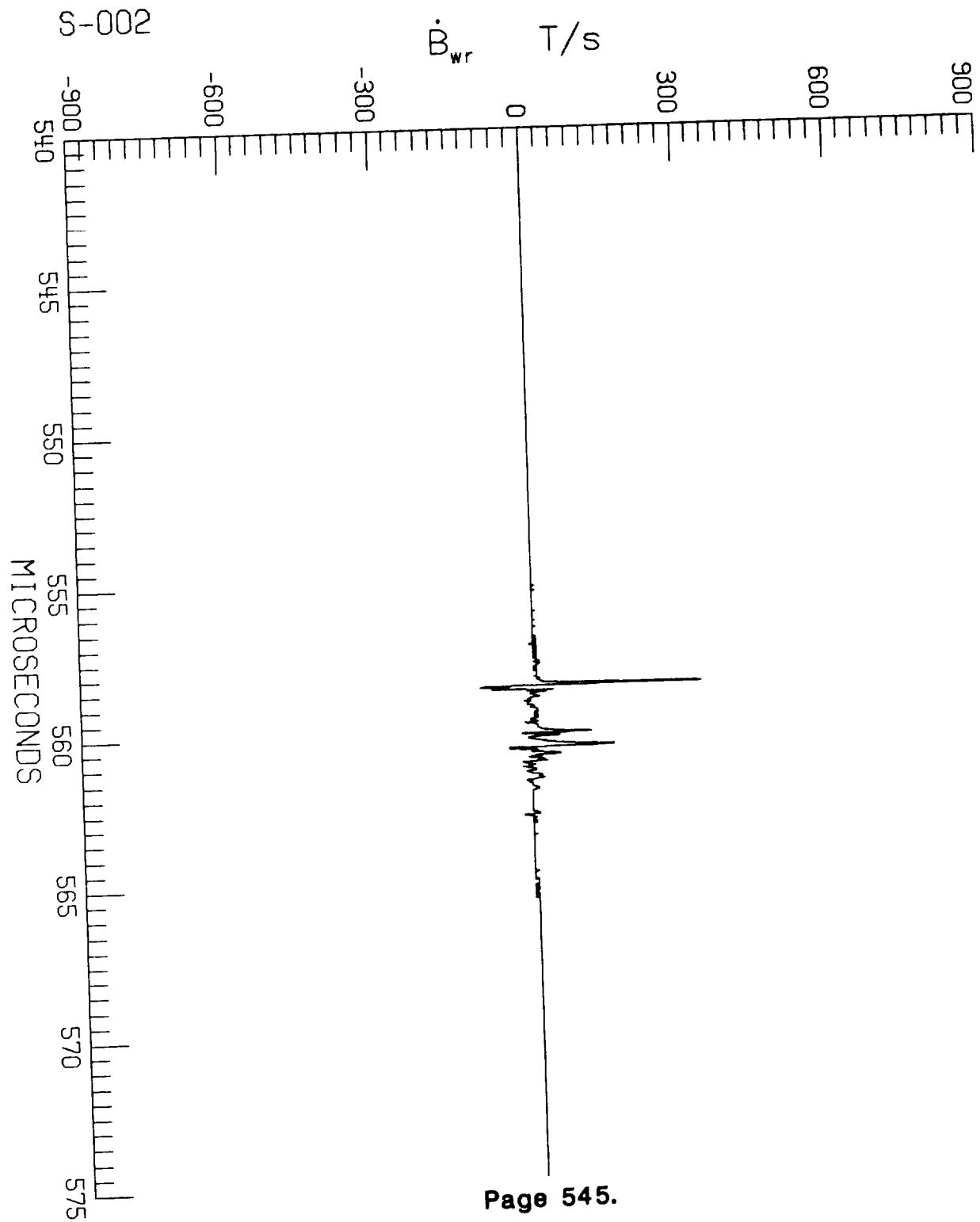
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F106 LIGHTNING/85-032/ZAEPFEL

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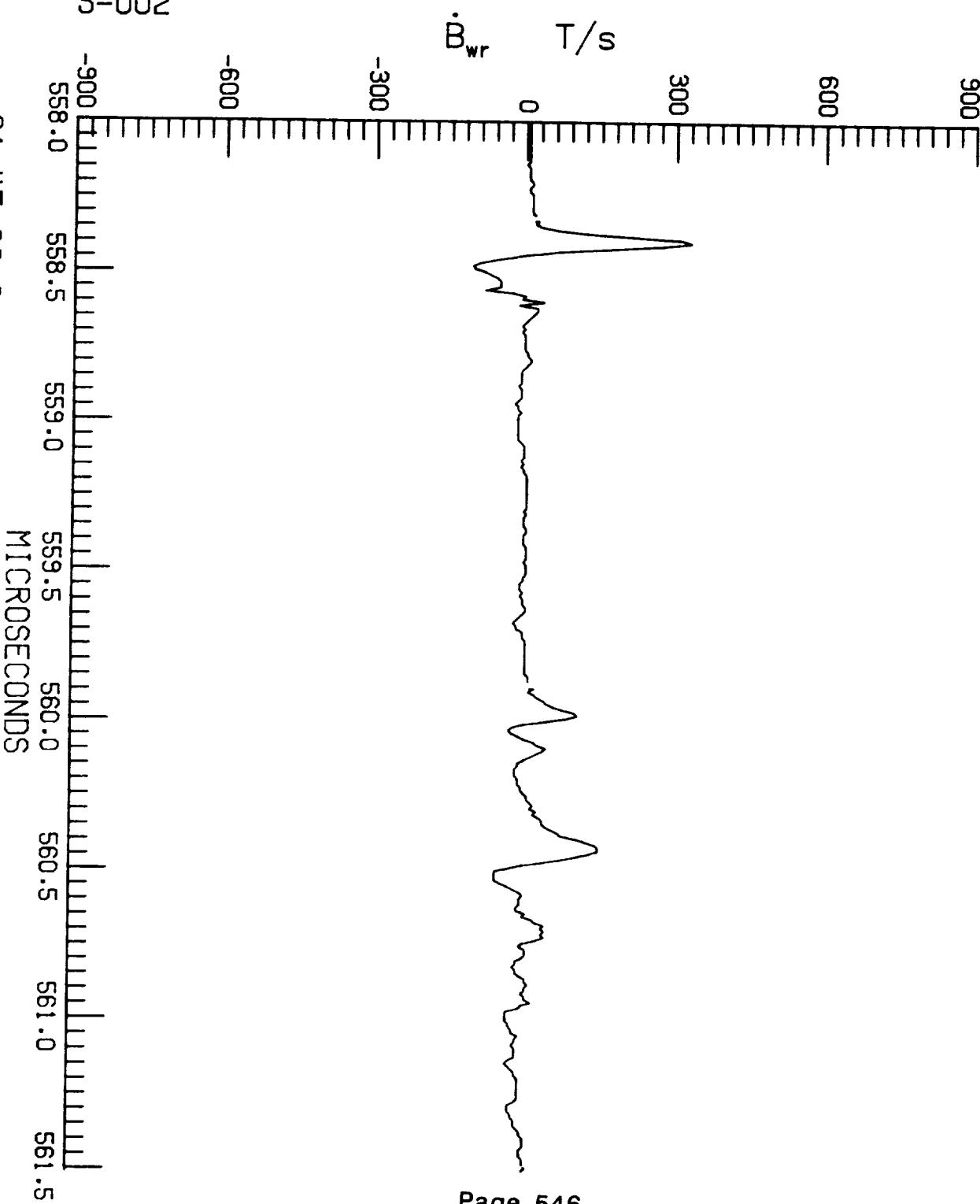
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002



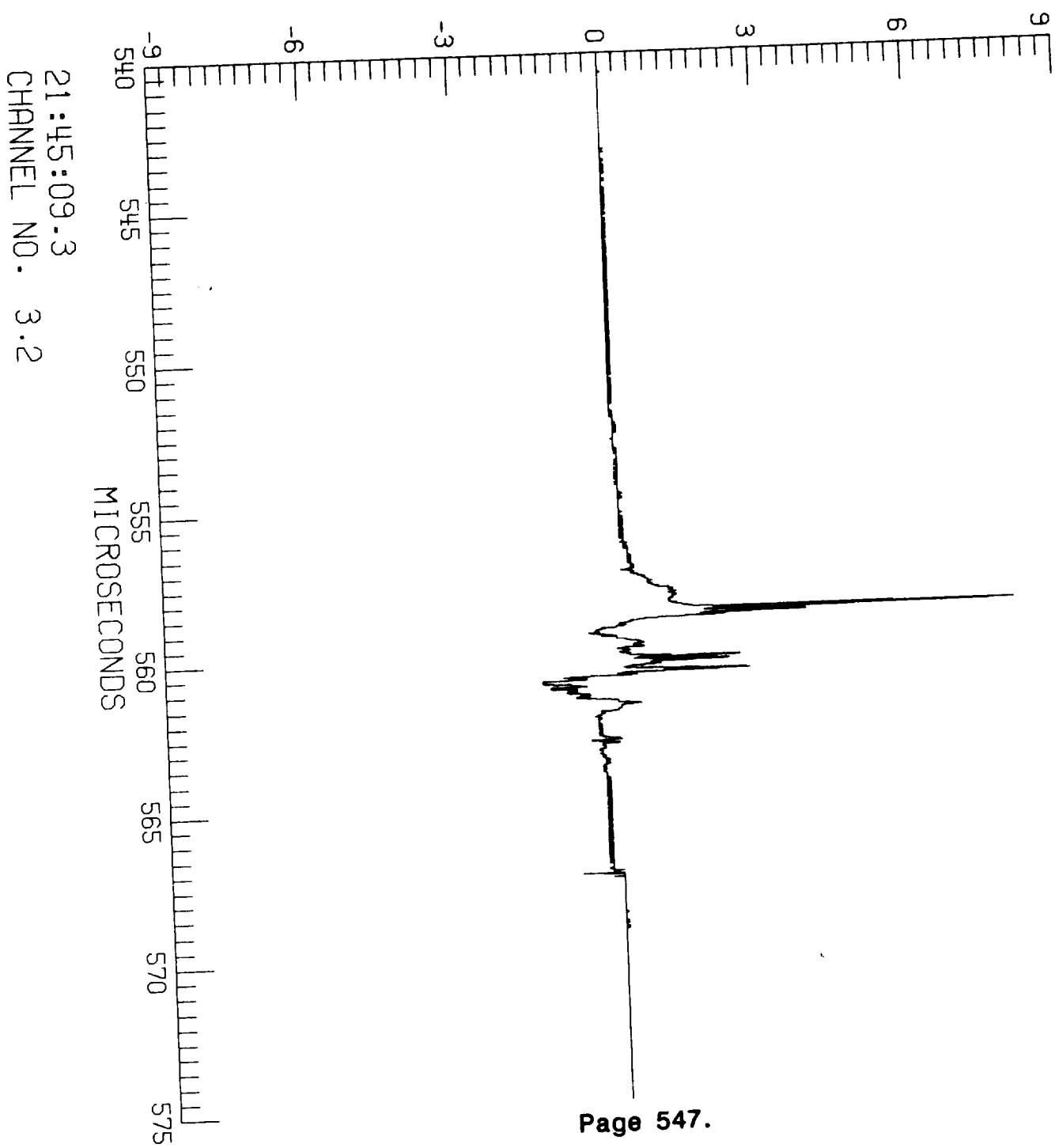
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

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\dot{D}_f A/m²

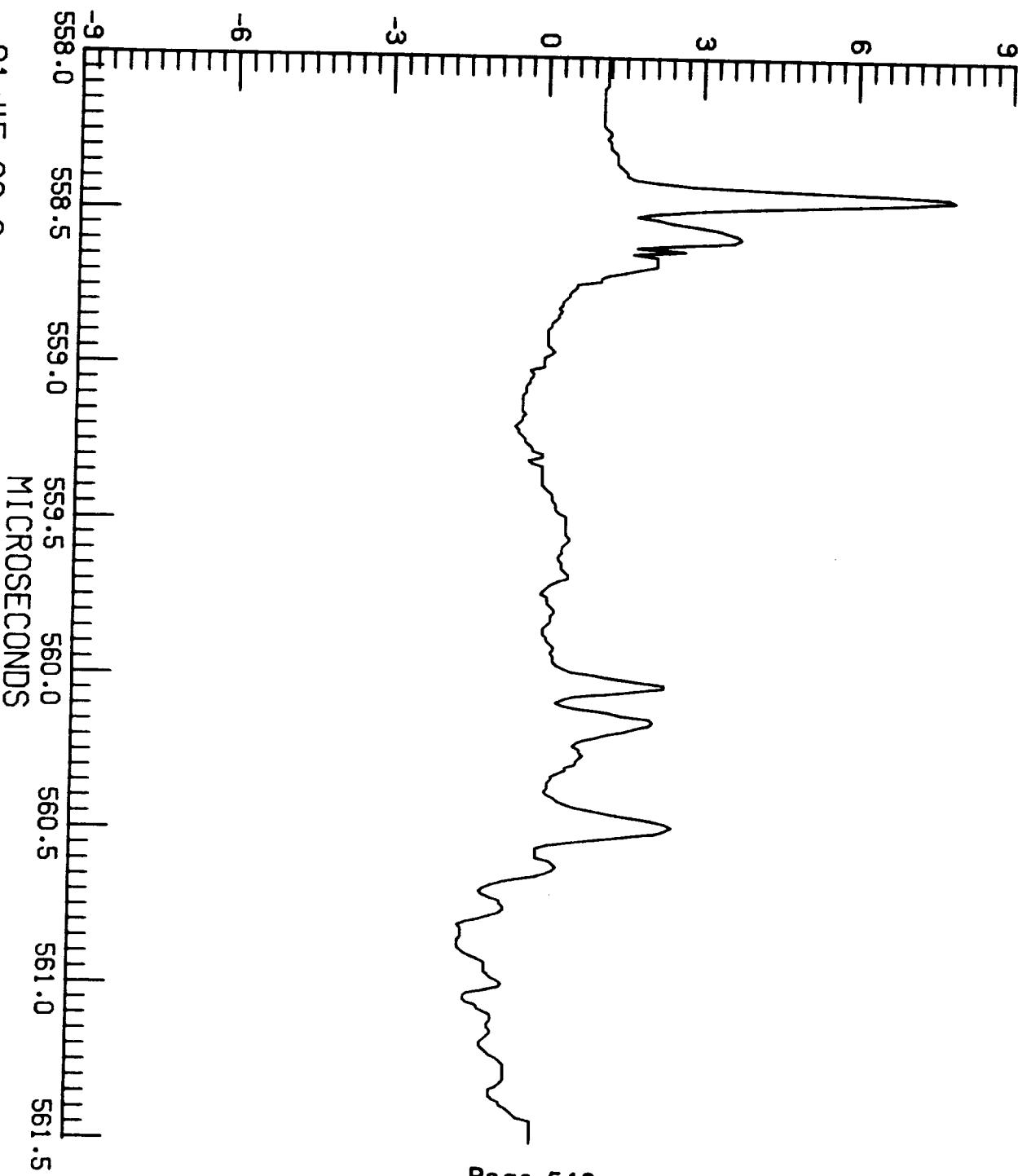


F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_f A/m²



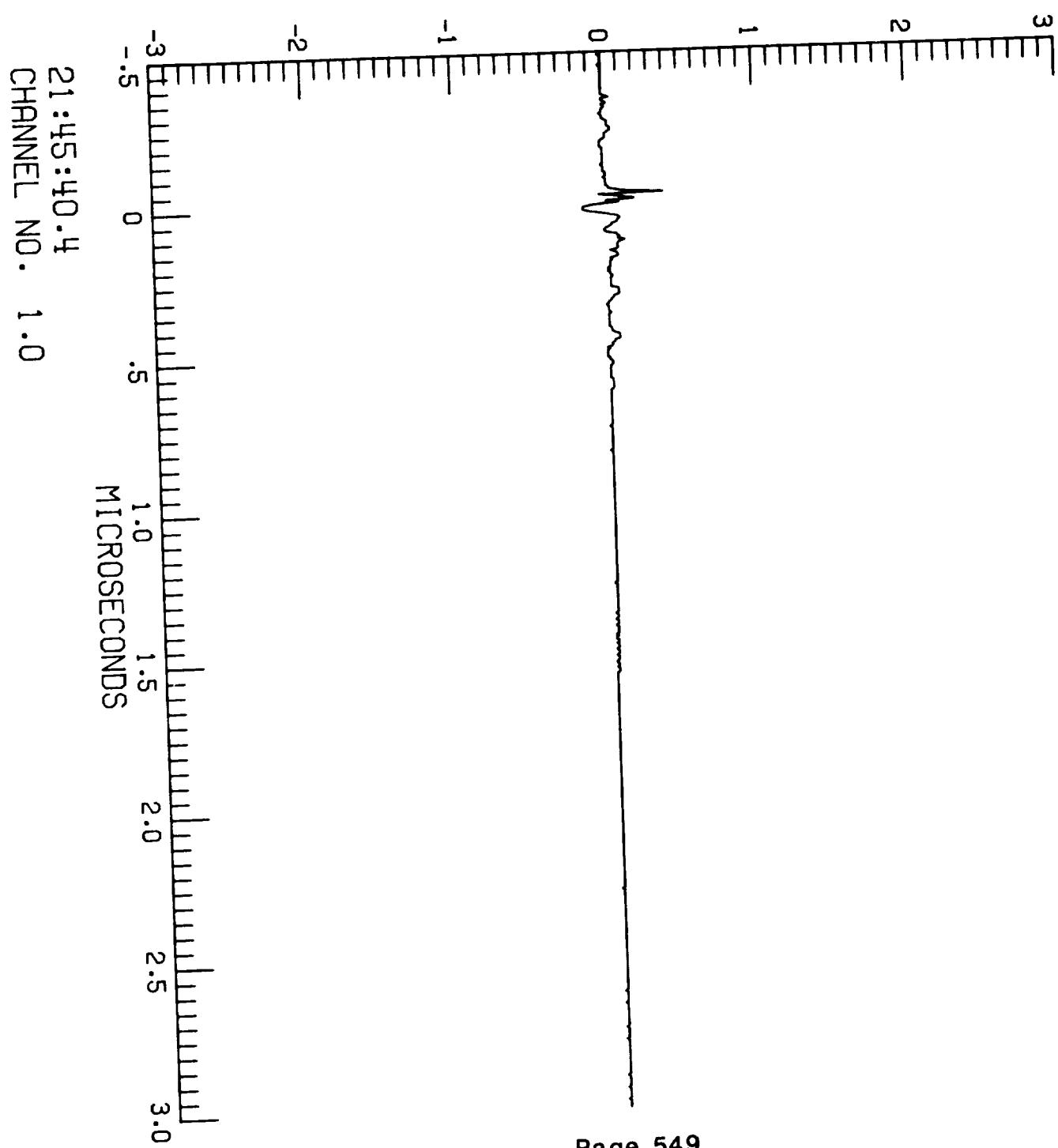
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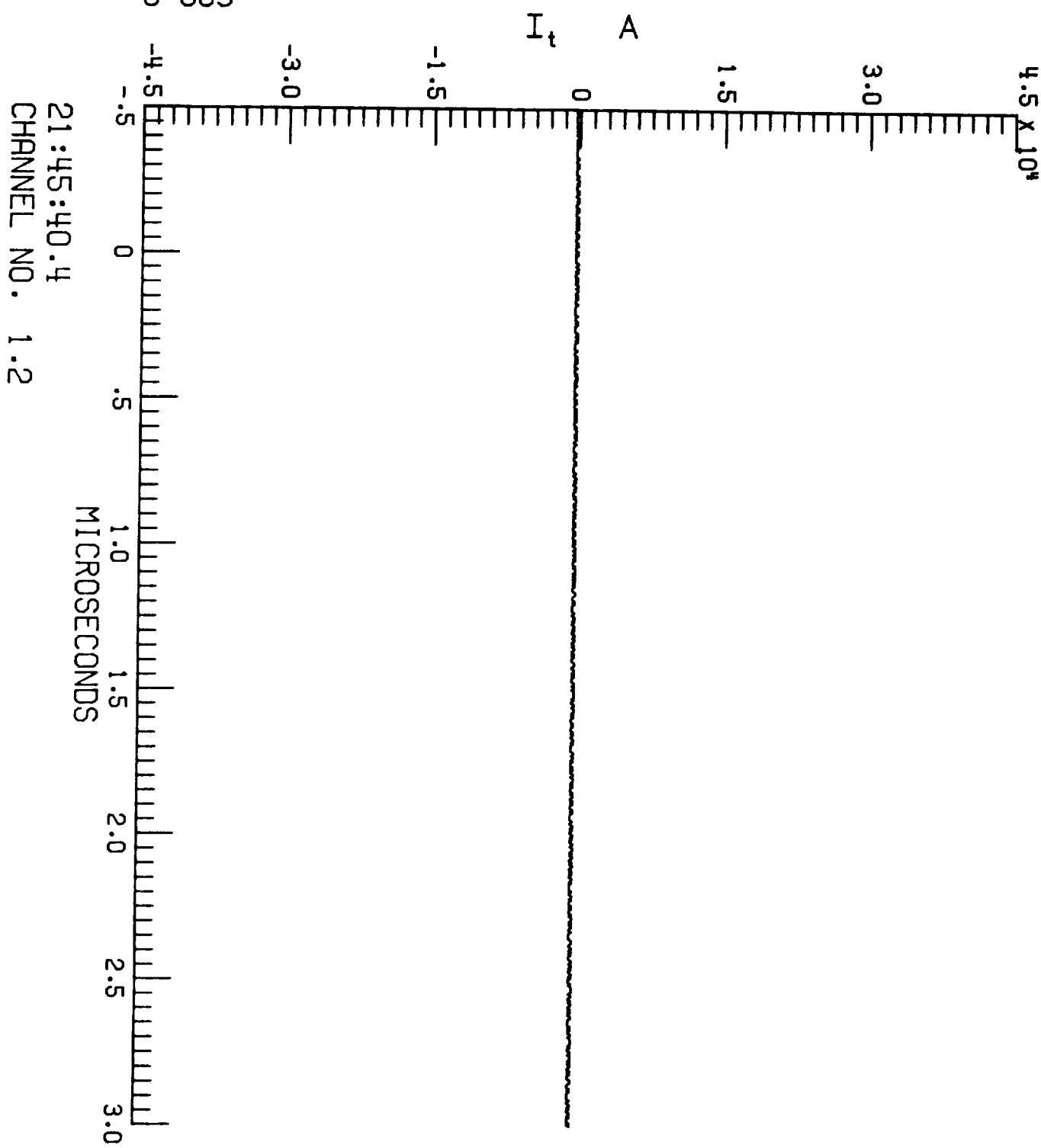
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F106 LIGHTNING/85-032/ZAEPFEL

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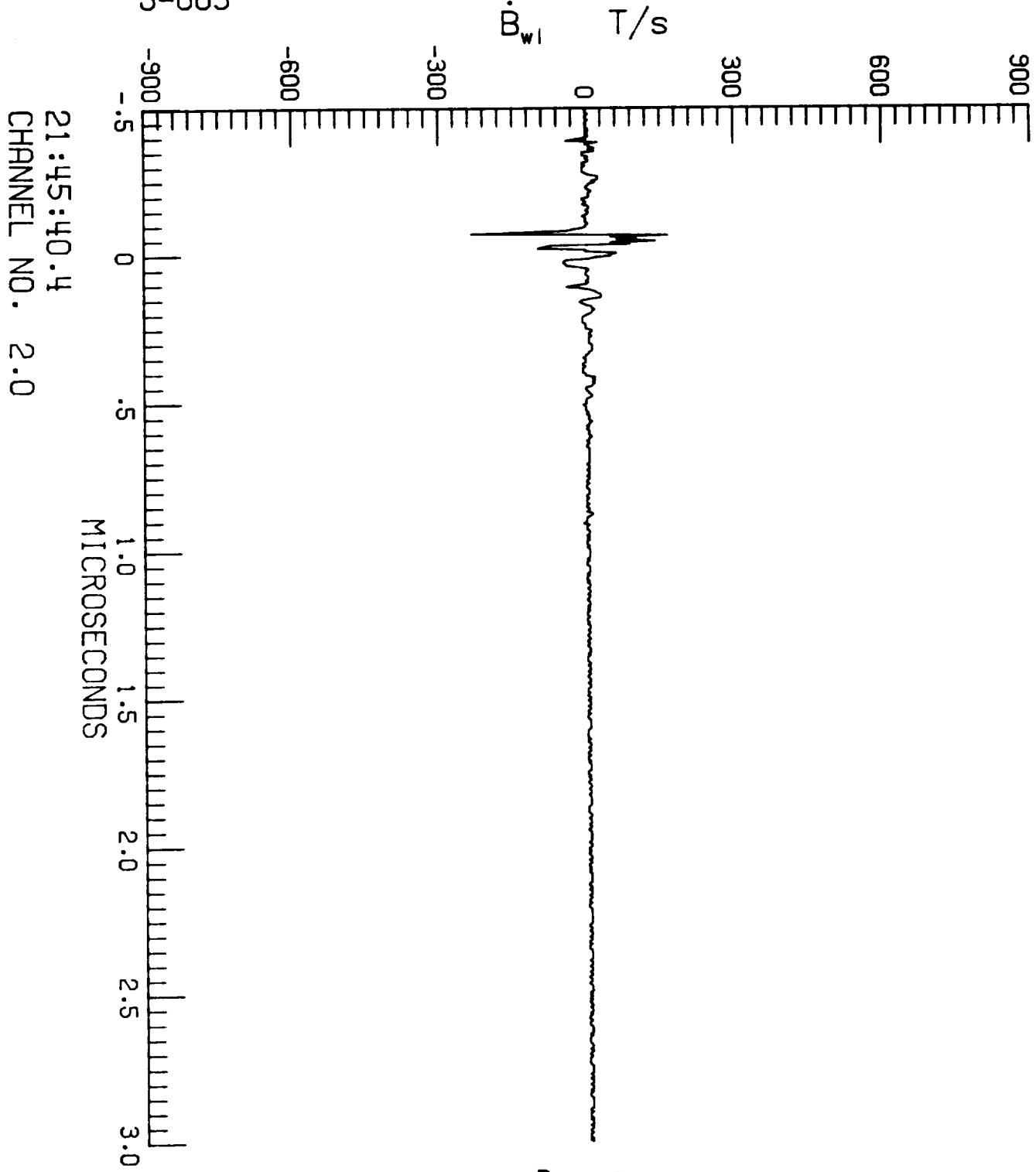
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F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 3

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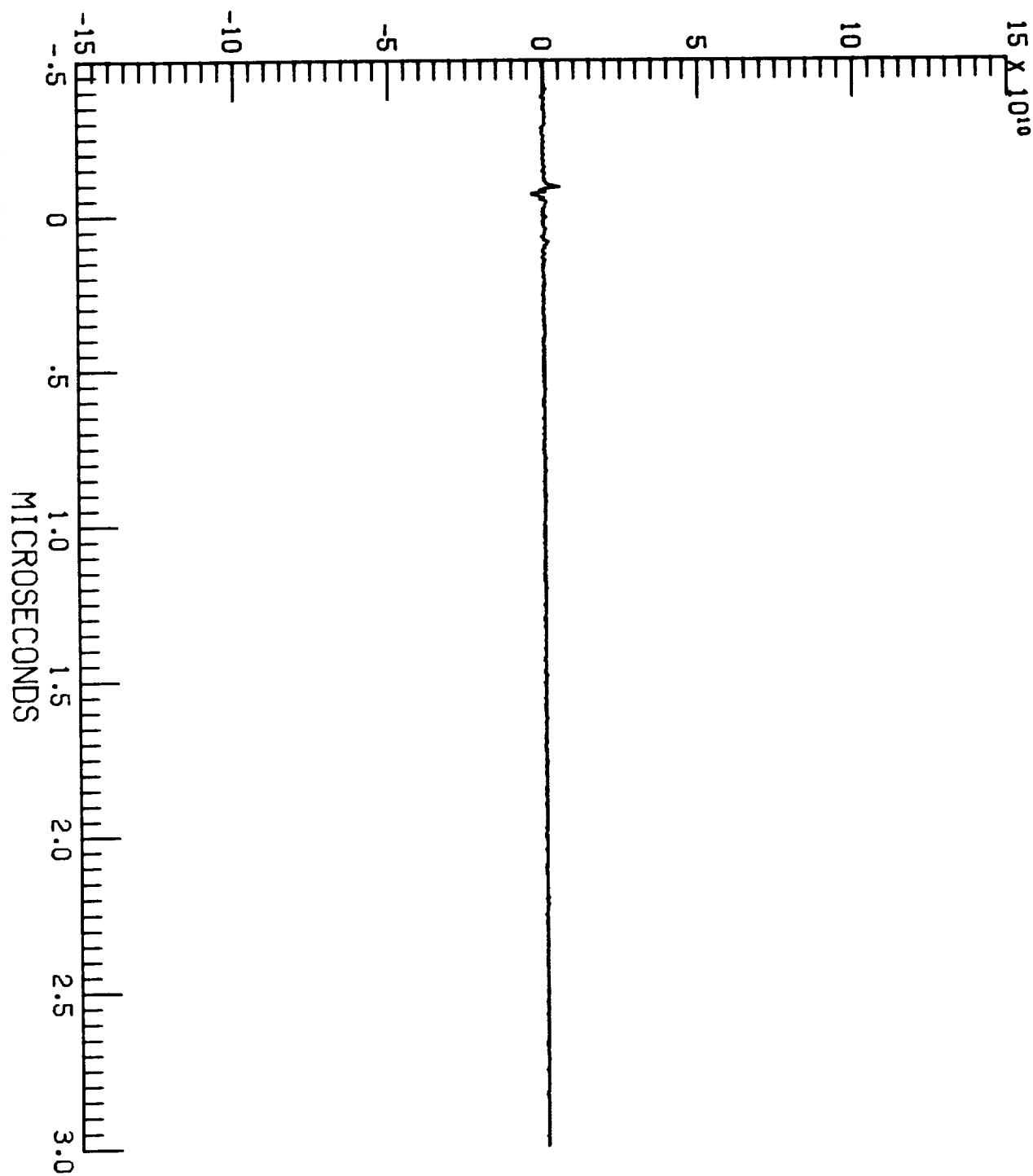
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F106 LIGHTNING/85-032/ZAEPFEL

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S-003

\dot{I} A/s



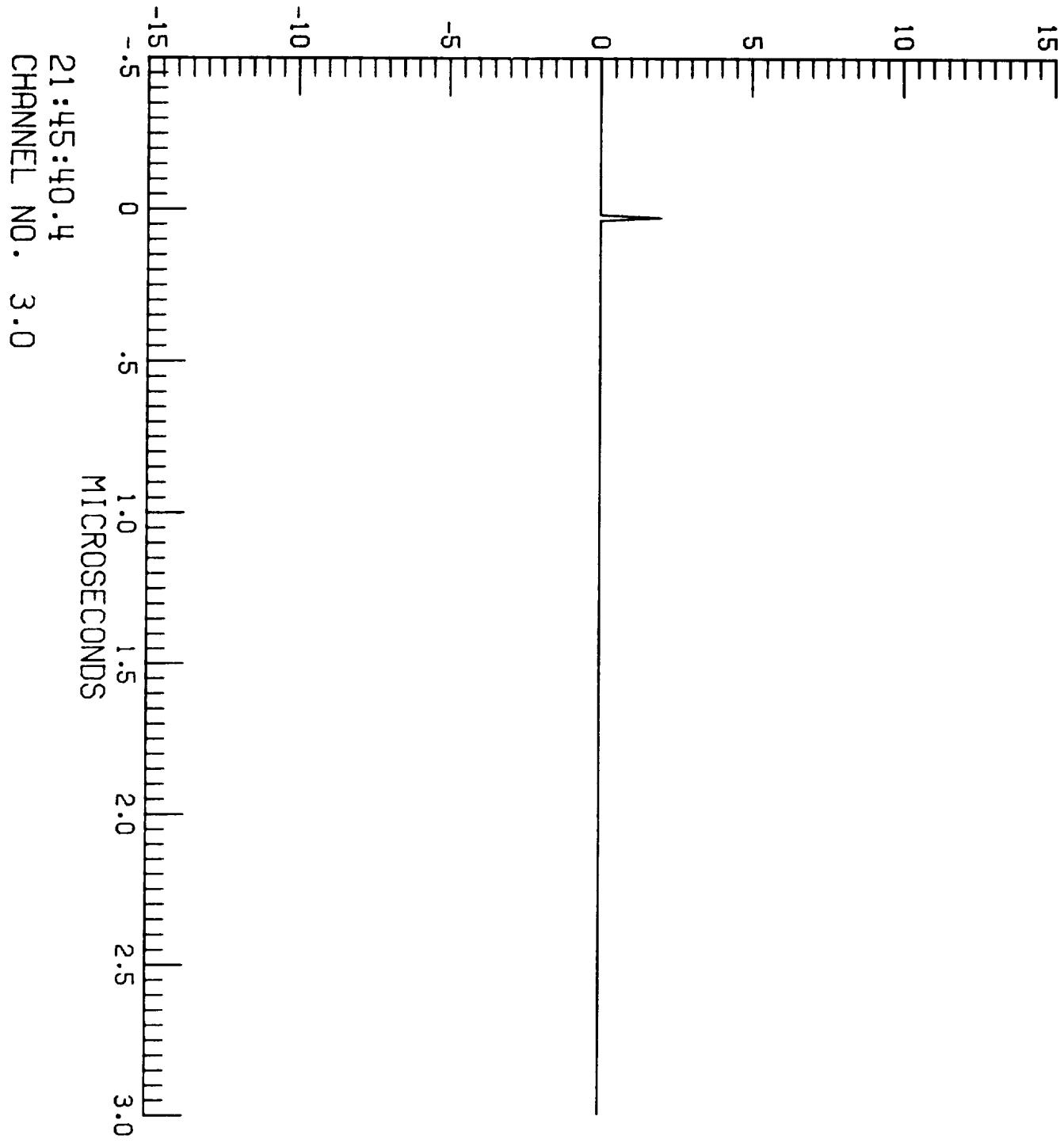
21:45:40.4
CHANNEL NO. 2.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

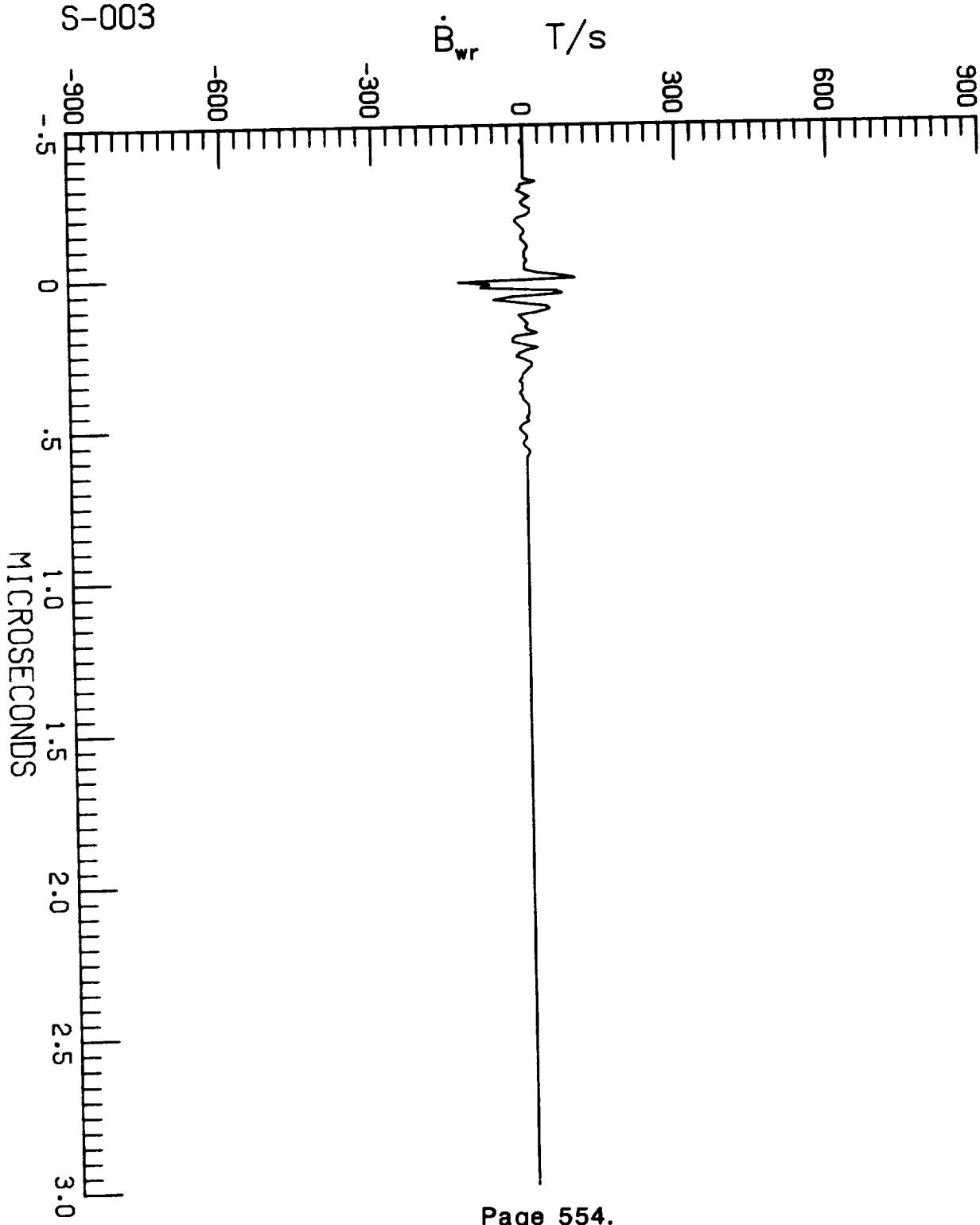


21:45:40.4
CHANNEL NO. 3.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 3

S-003



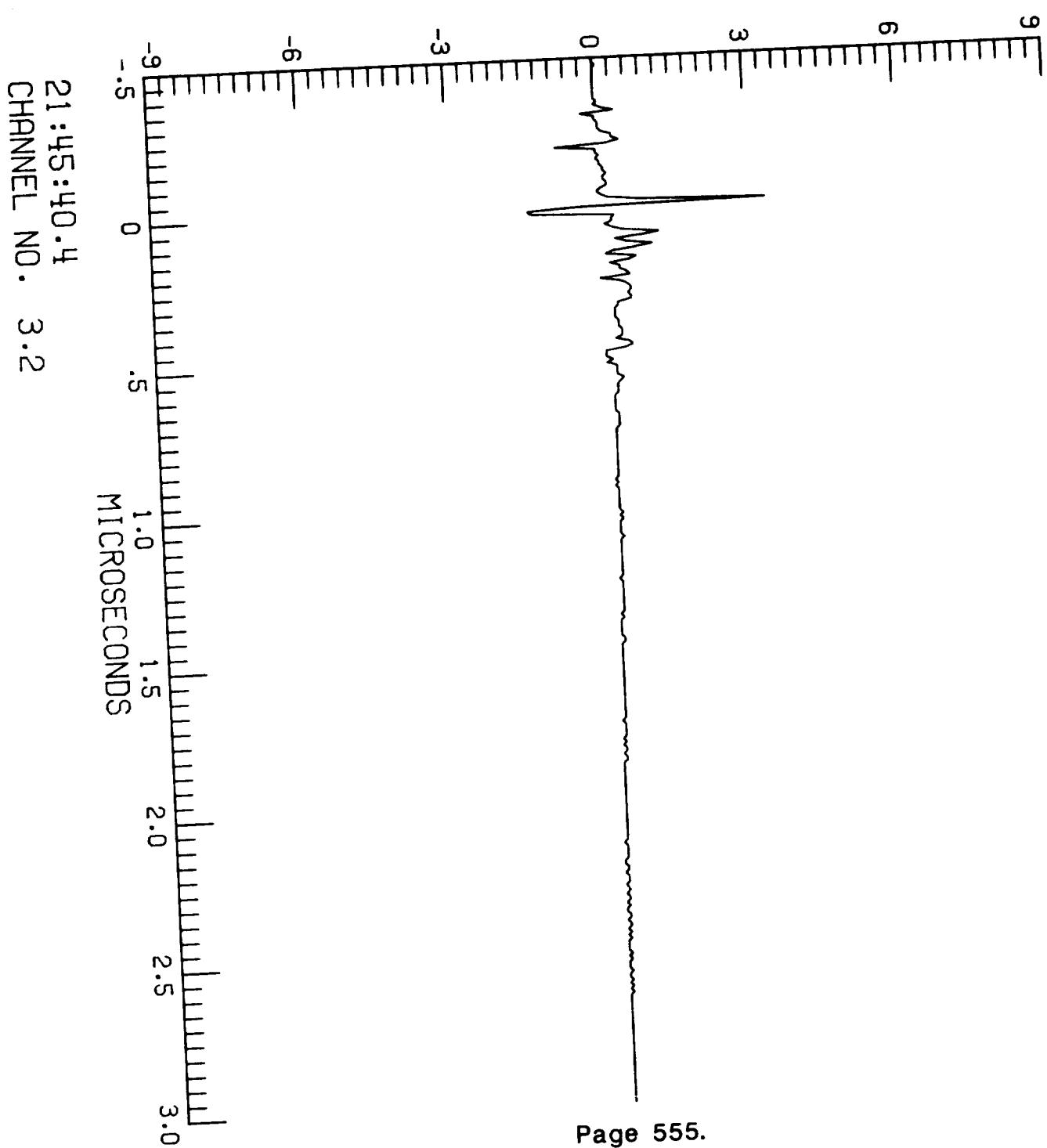
21:45:40.4
CHANNEL NO. 3.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²



21:45:40.4
CHANNEL NO. 3.2

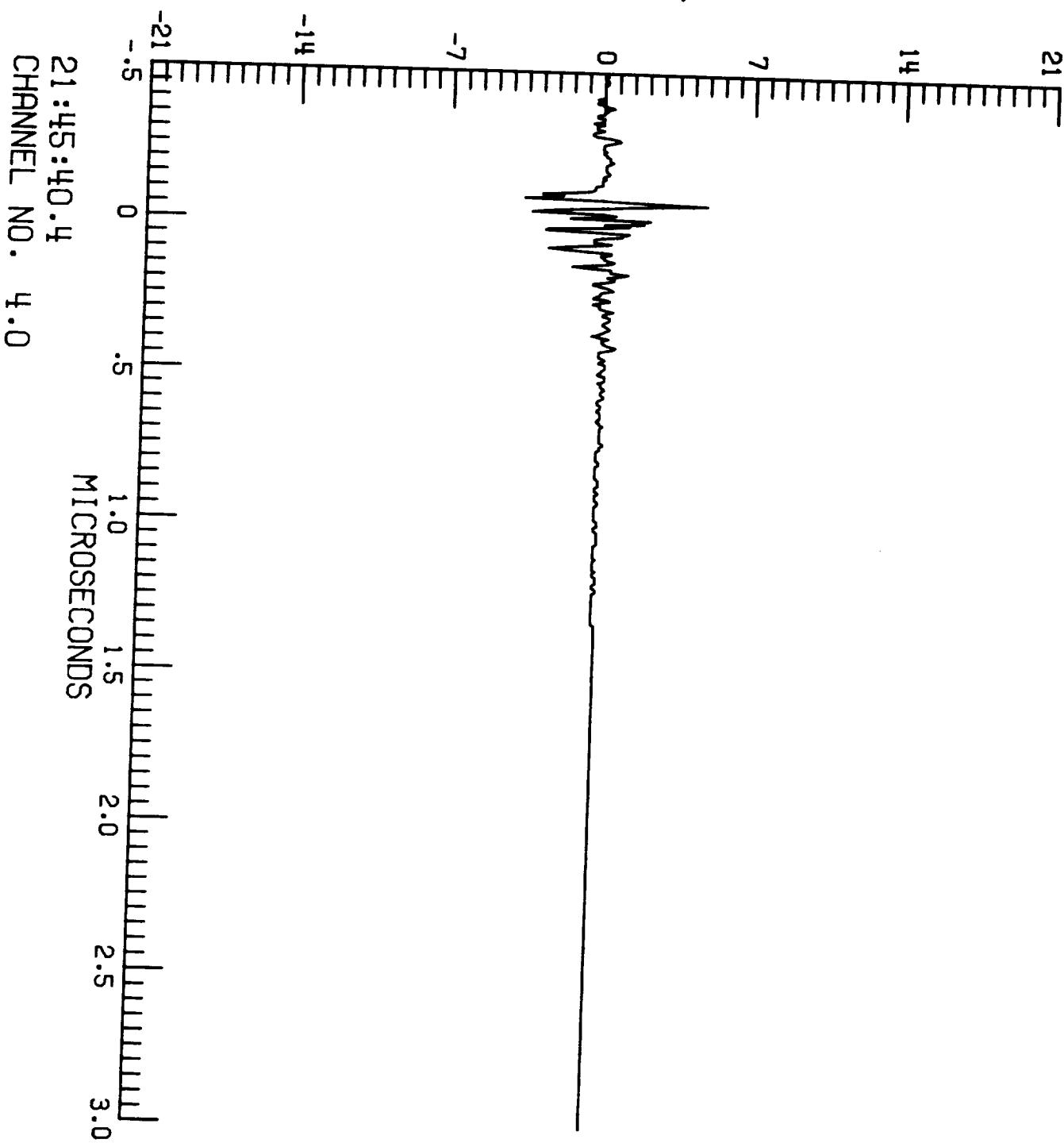
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101

V



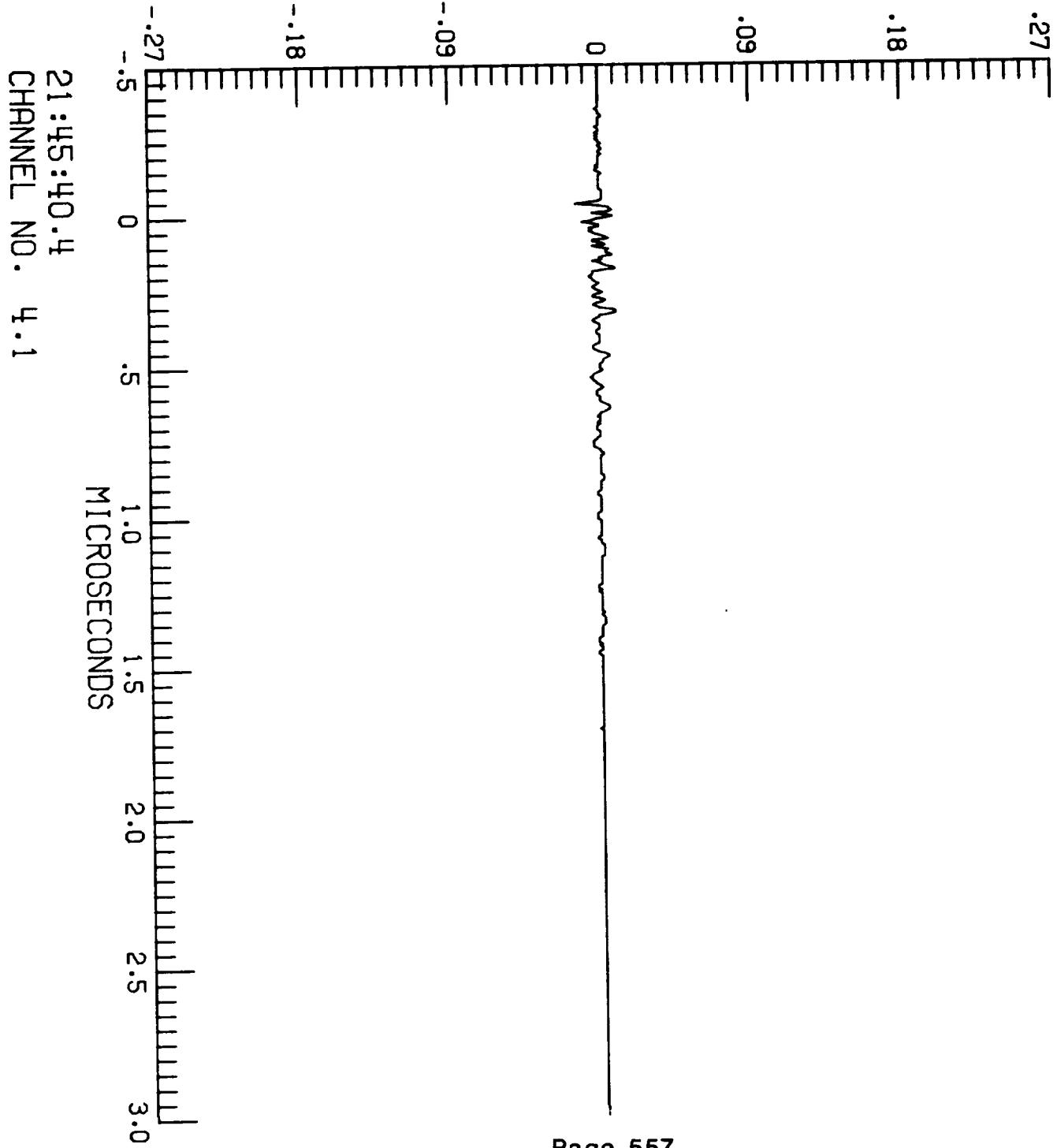
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP116

A



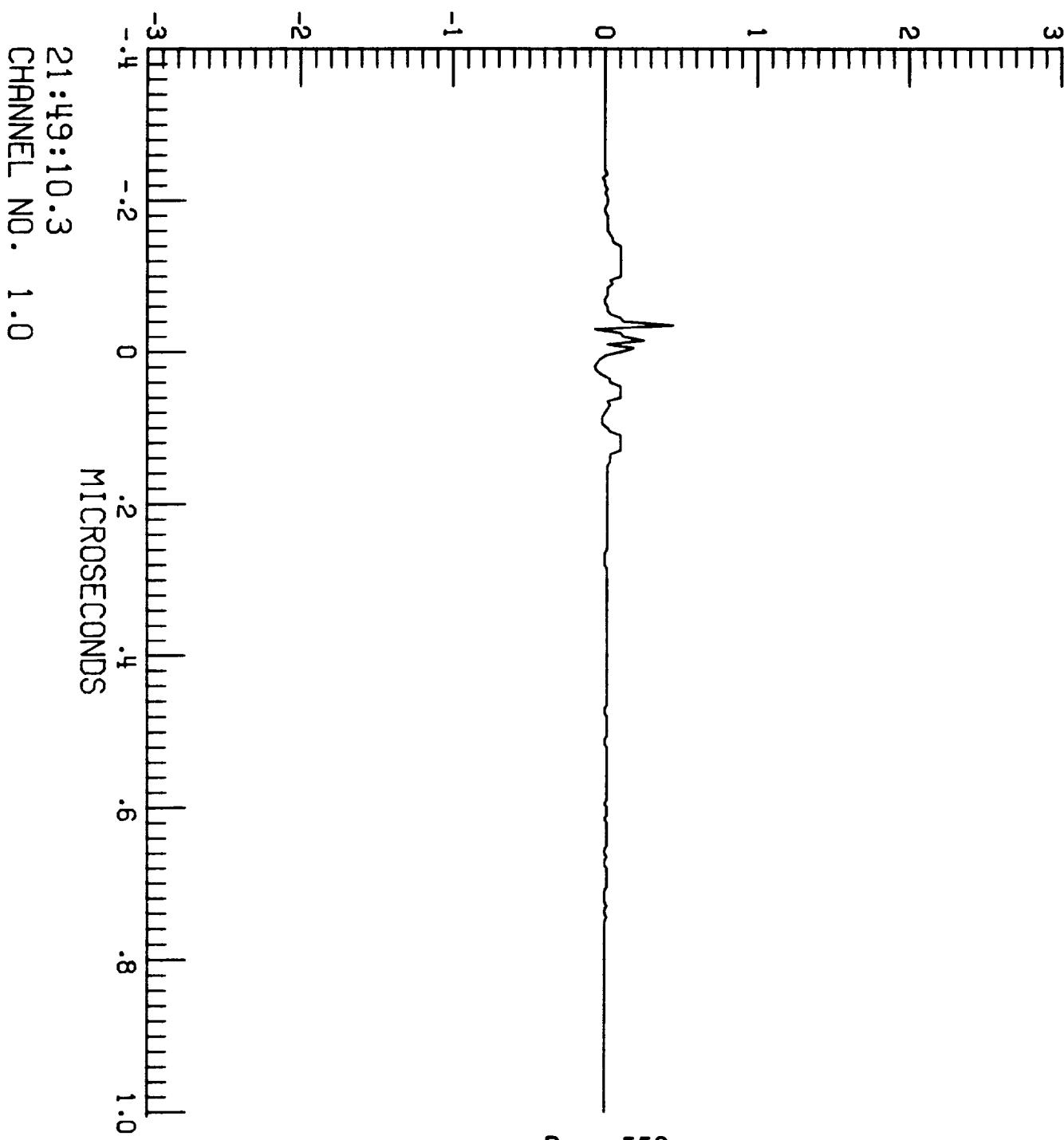
21:45:40.4
CHANNEL NO. 4.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 4

S-004

\dot{D}_t A/m²

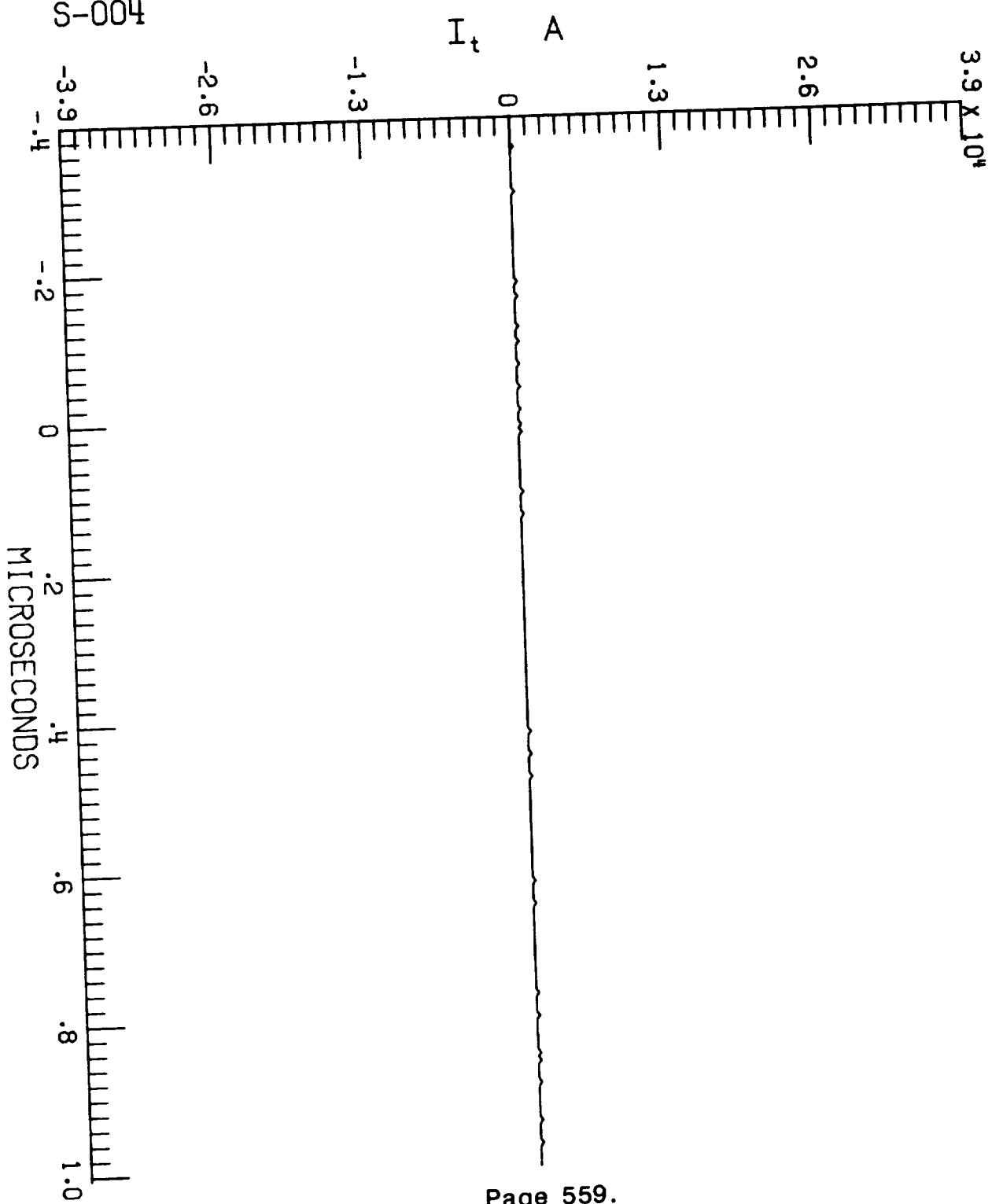


F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 4

S-004

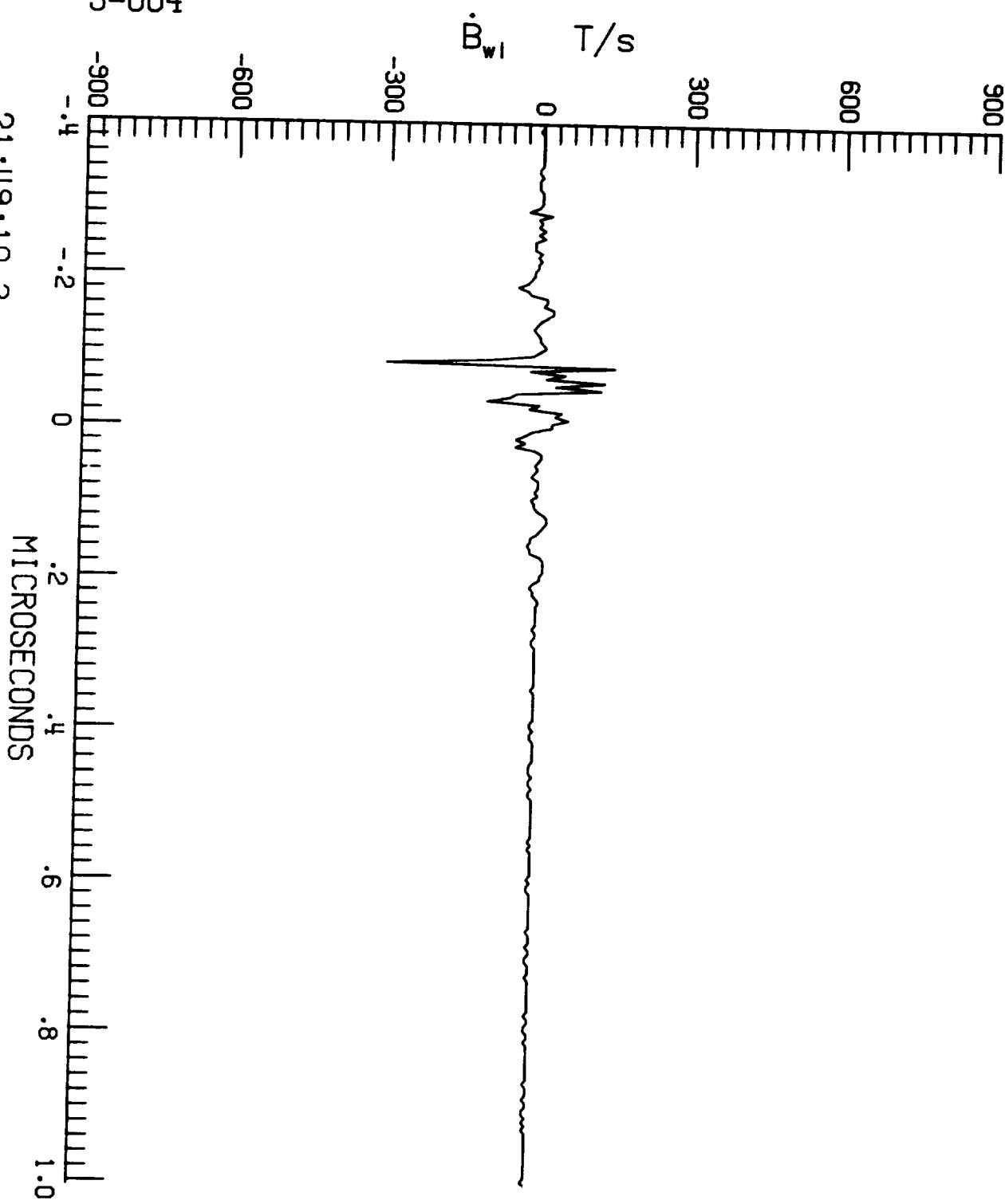
21:49:10.3
CHANNEL NO. 1.2



F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 4

S-004



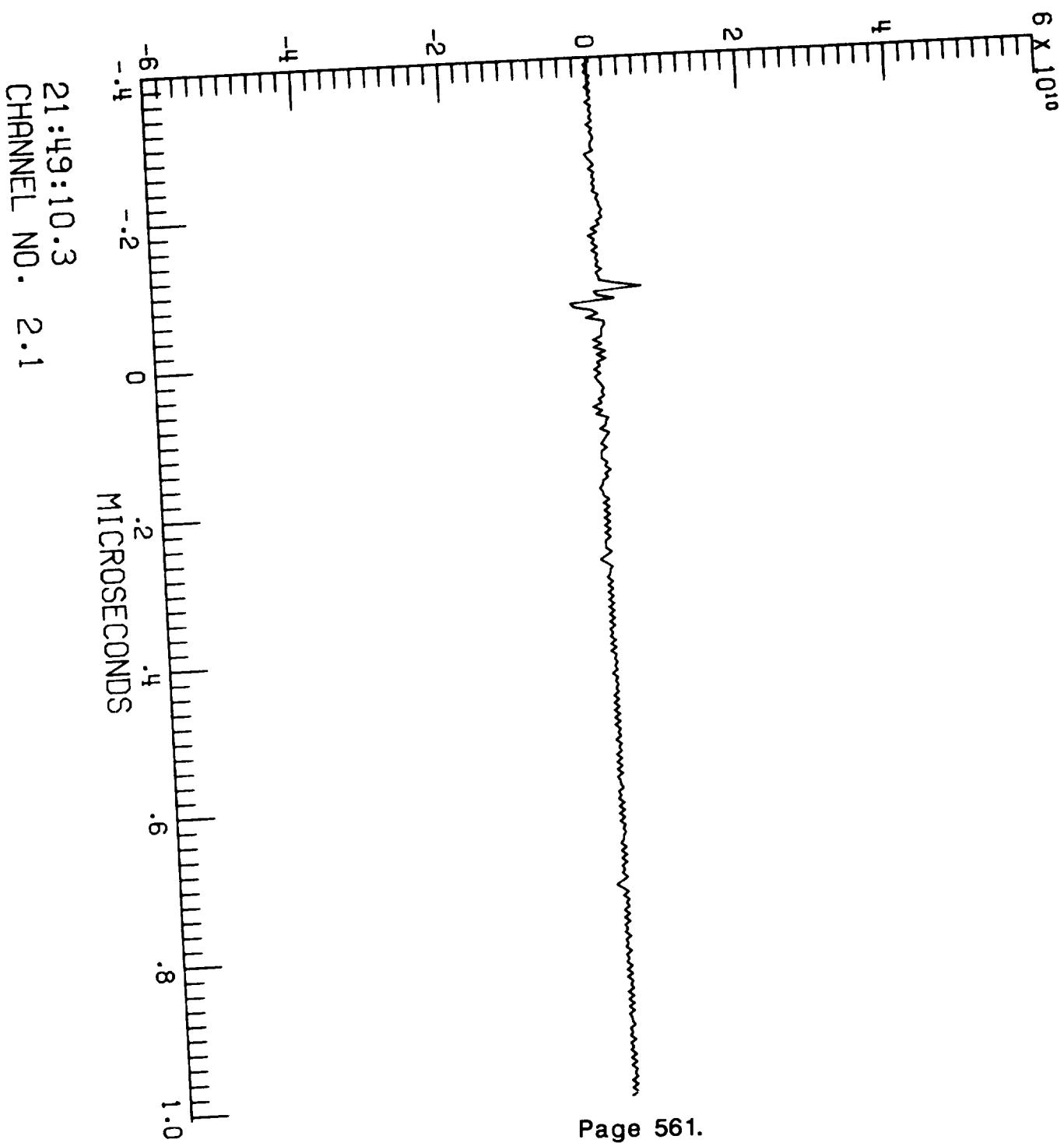
21:49:10.3
CHANNEL NO. 2.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 4

S-004

\dot{I} A/s

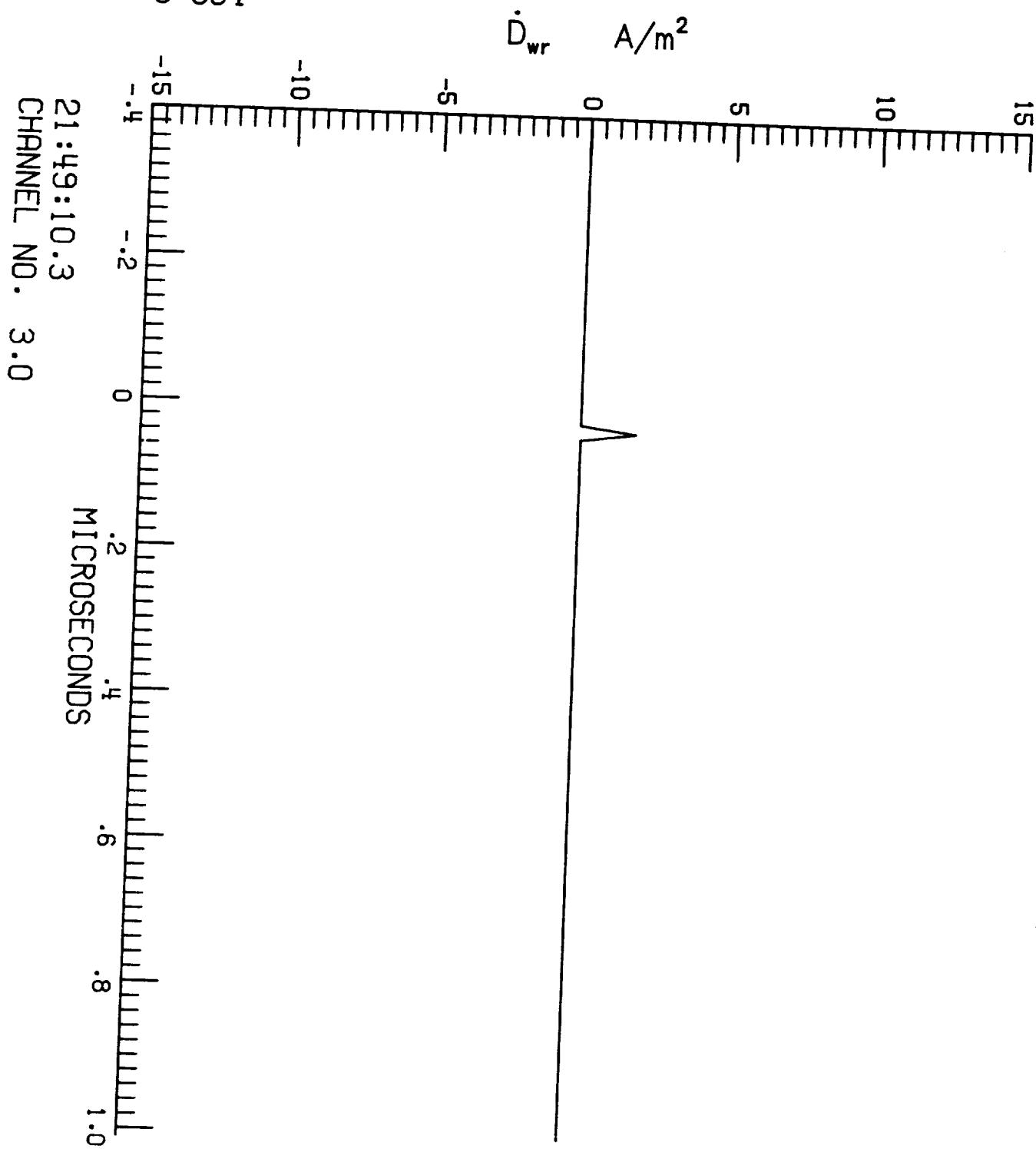


21:49:10.3
CHANNEL NO. 2.1

F106 LIGHTNING/85-032/ZAEPPFEL

LEC 3 RUN NO. 4

S-004

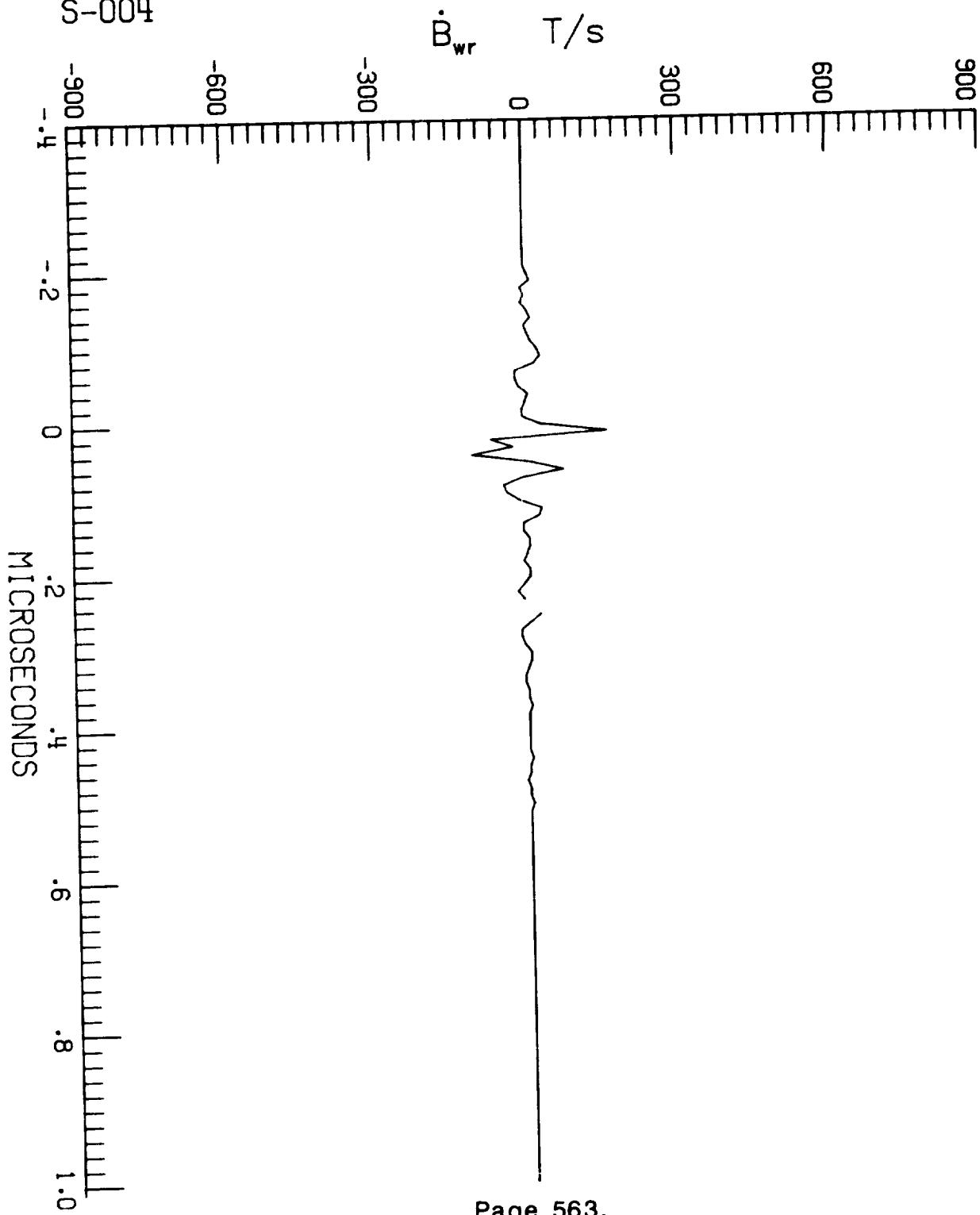


F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 4

S-004

21:49:10.3
CHANNEL NO. 3.1

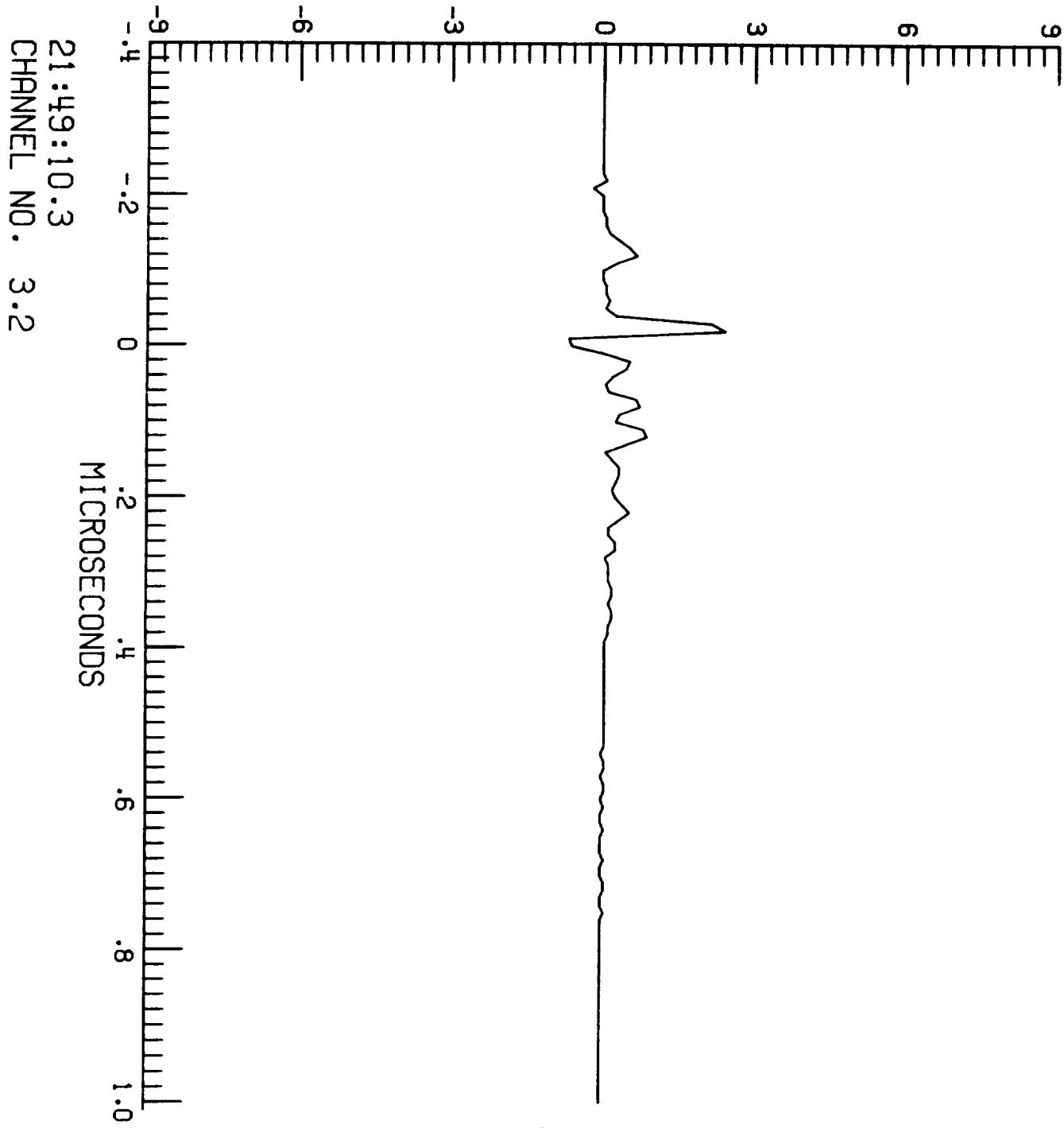


F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



21:49:10.3
CHANNEL NO. 3.2

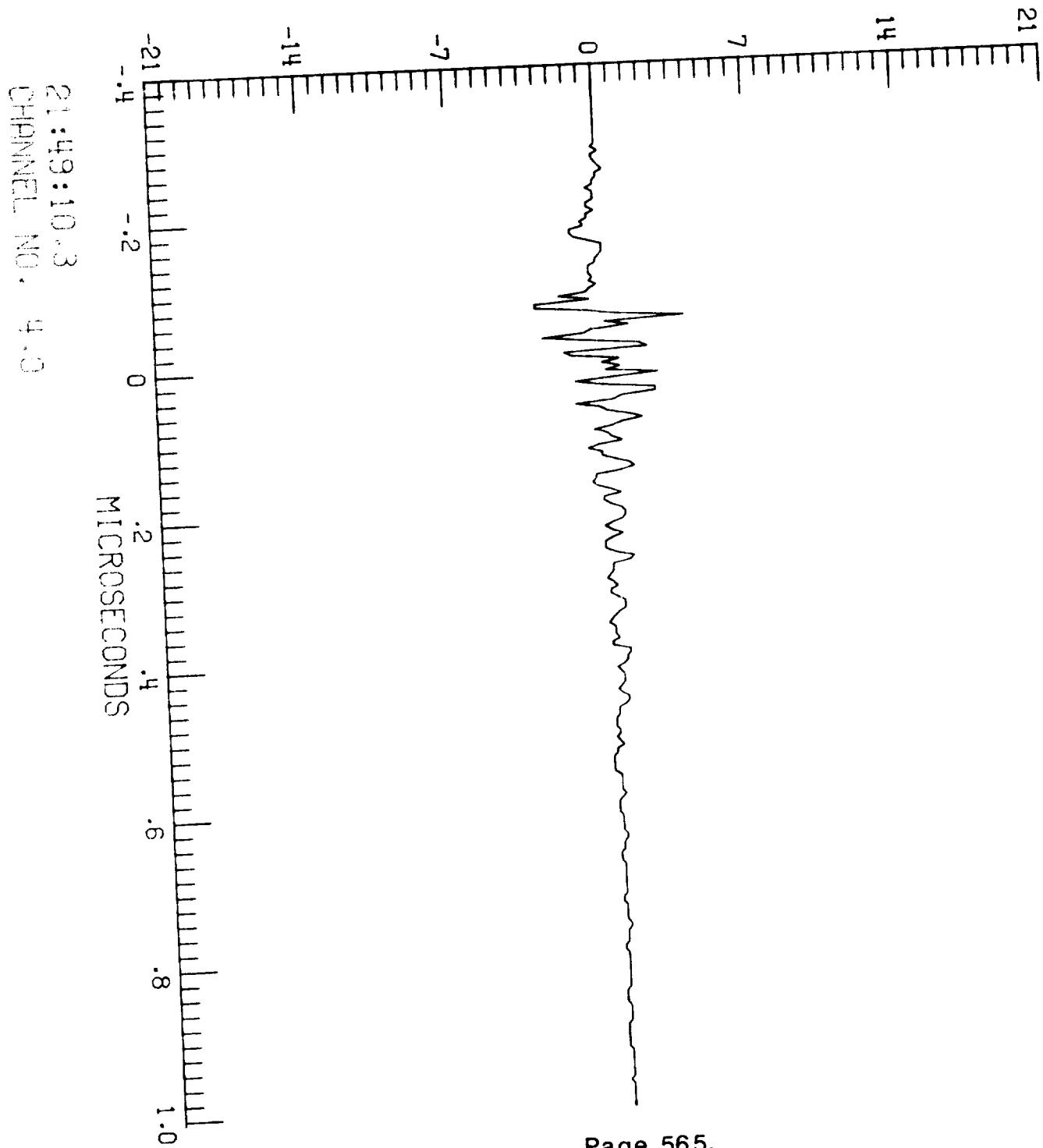
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V



21:49:10.3
CHANNEL NO. 4.0

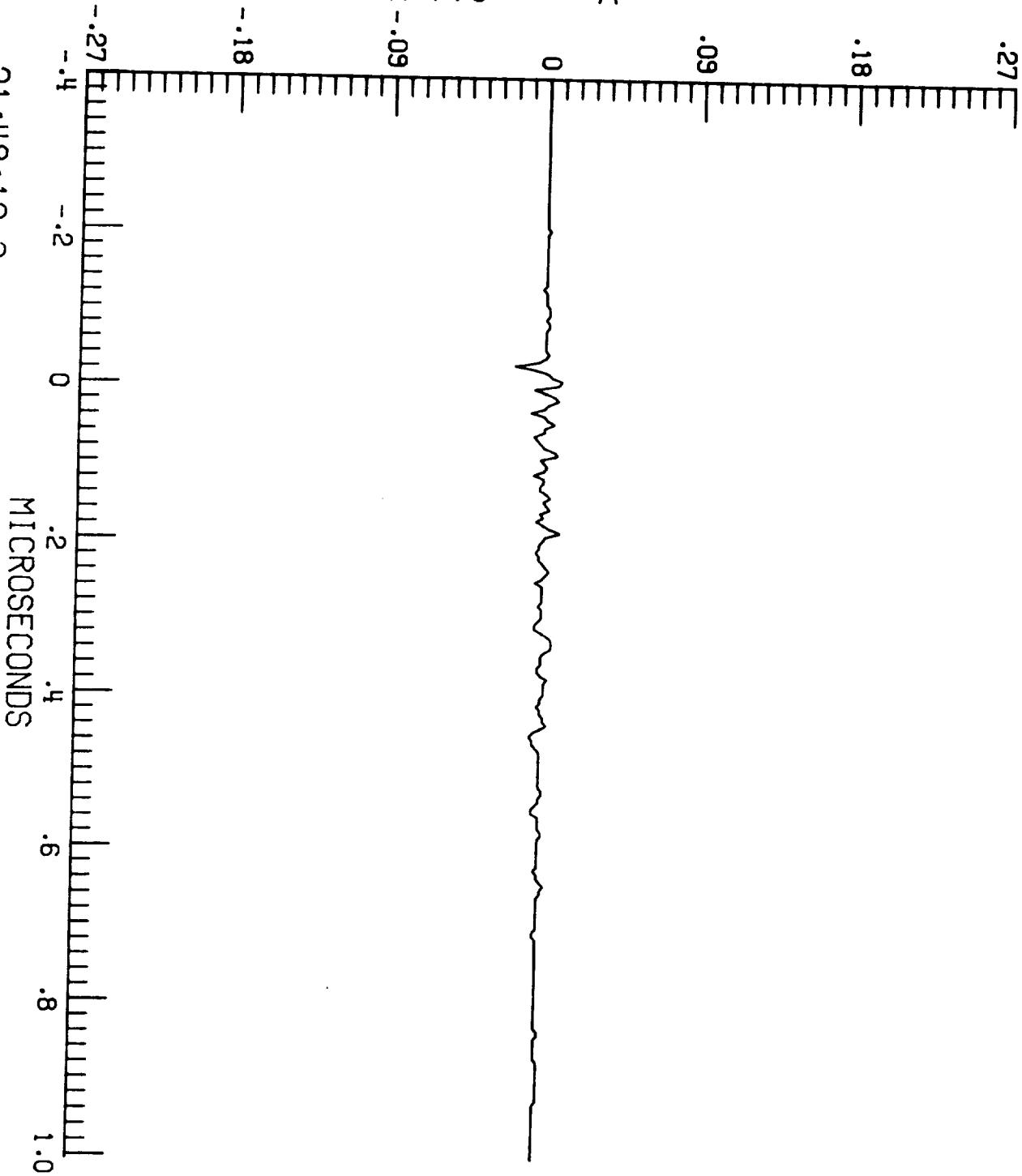
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A



21:49:10.3
CHANNEL NO. 4.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP112

A

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1.0

MICROSECONDS

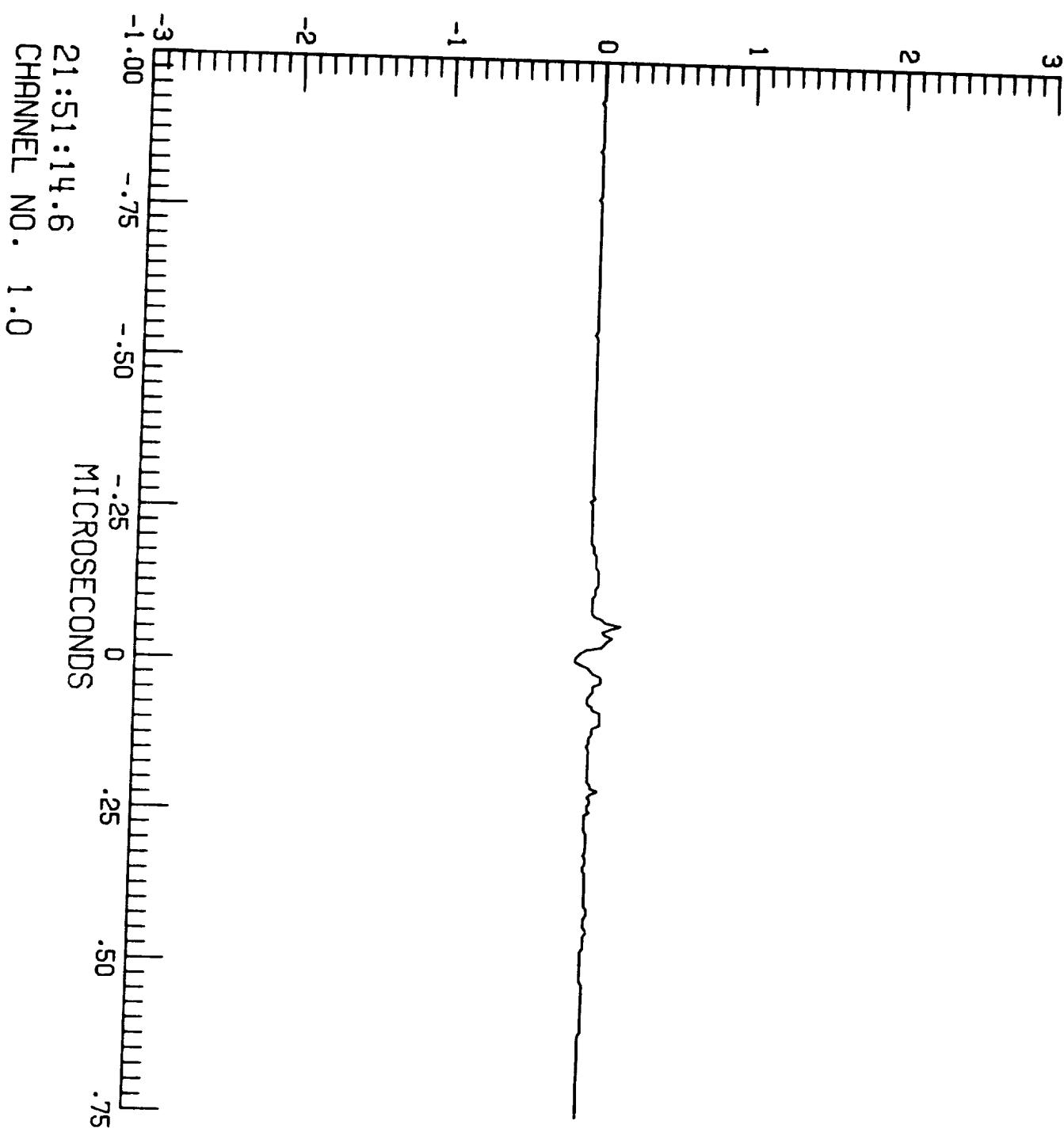
21:49:10.3
CHANNEL NO. 4.2

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 5

S-005

\dot{D}_t A/m²



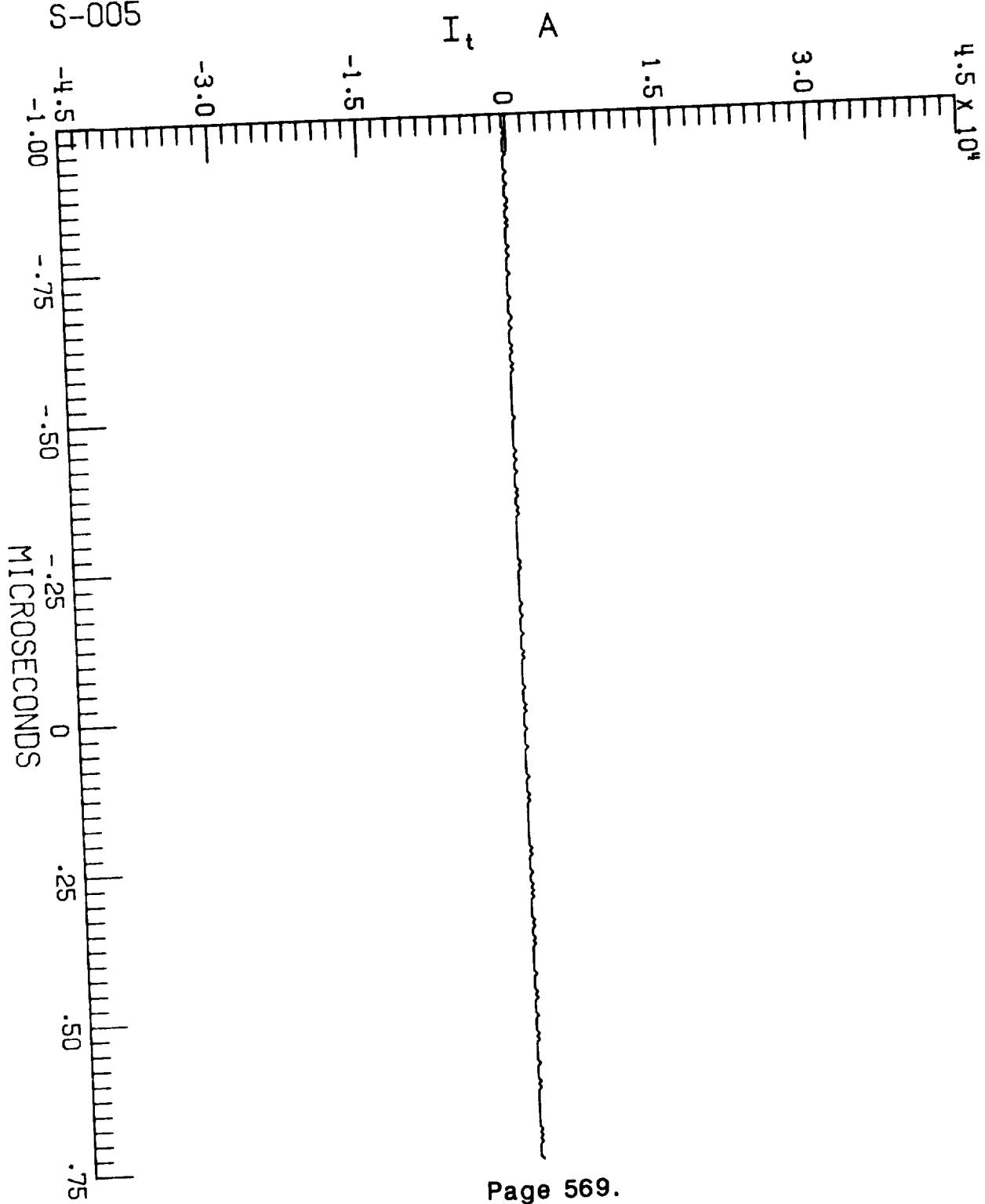
21:51:14.6
CHANNEL NO. 1.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 5

S-005

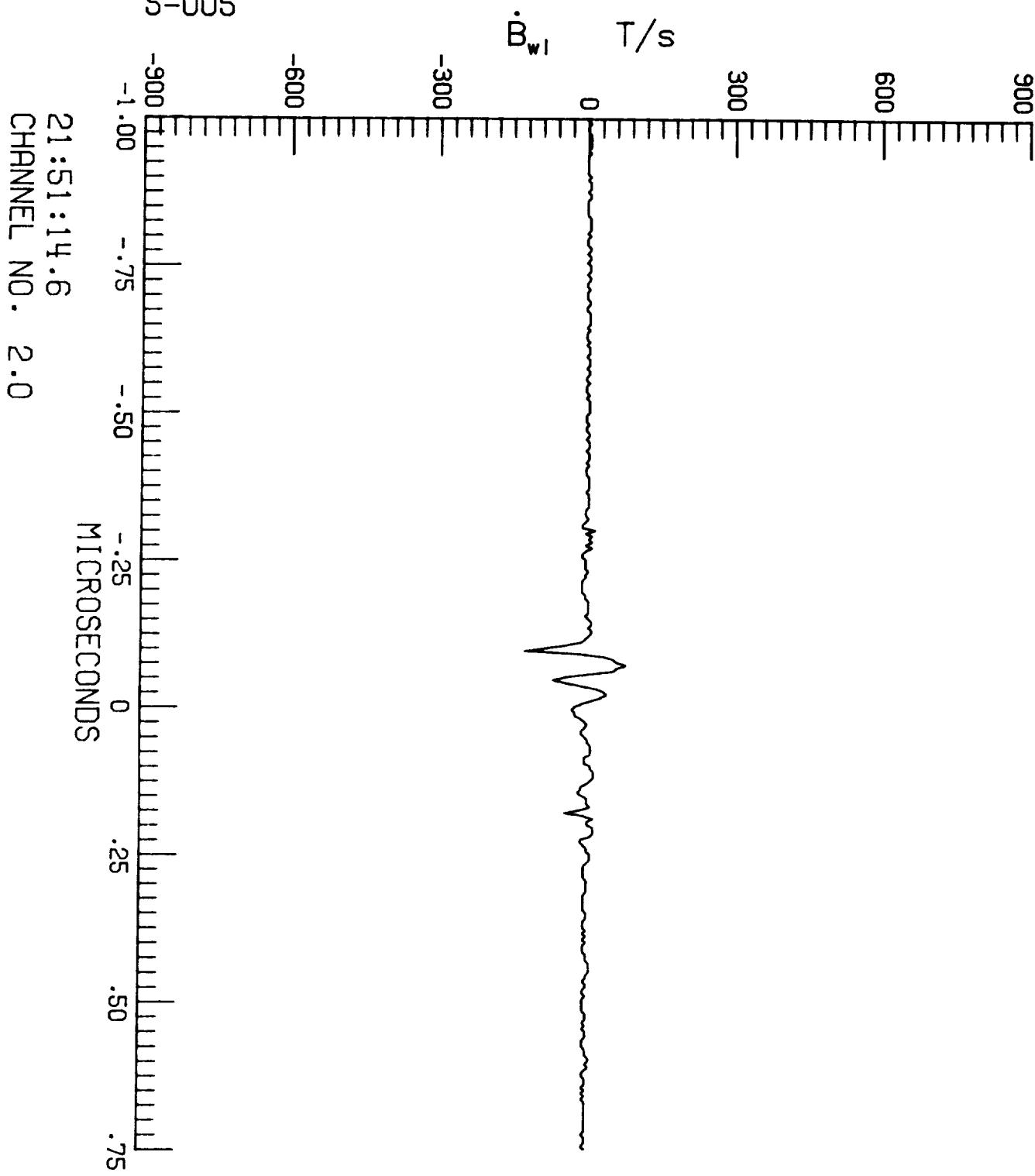
21:51:14.6
CHANNEL NO. 1.2



F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 5

S-005



21:51:14.6
CHANNEL NO. 2.0

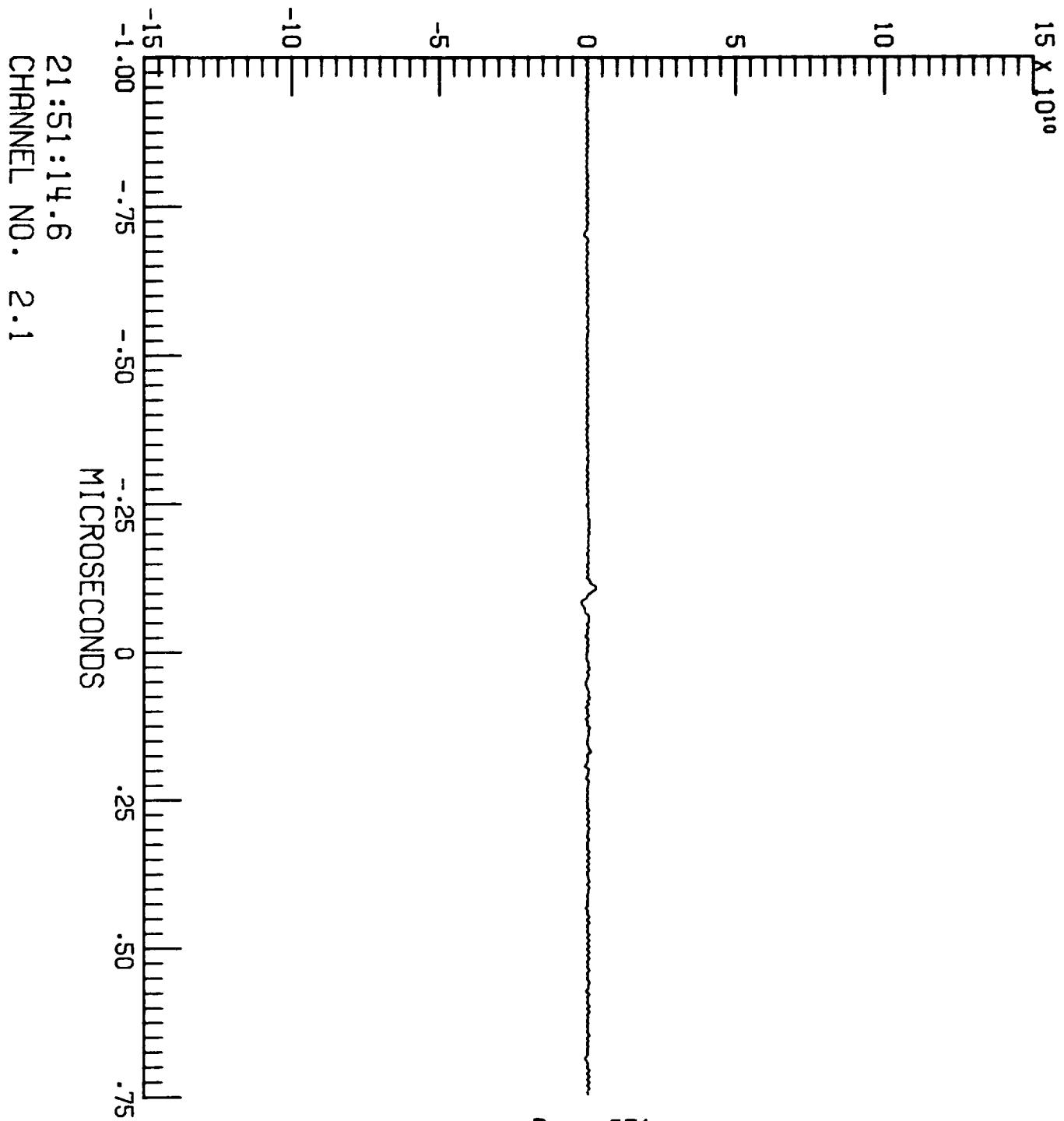
F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 5

S-005

\dot{I} A/s

15×10^{10}



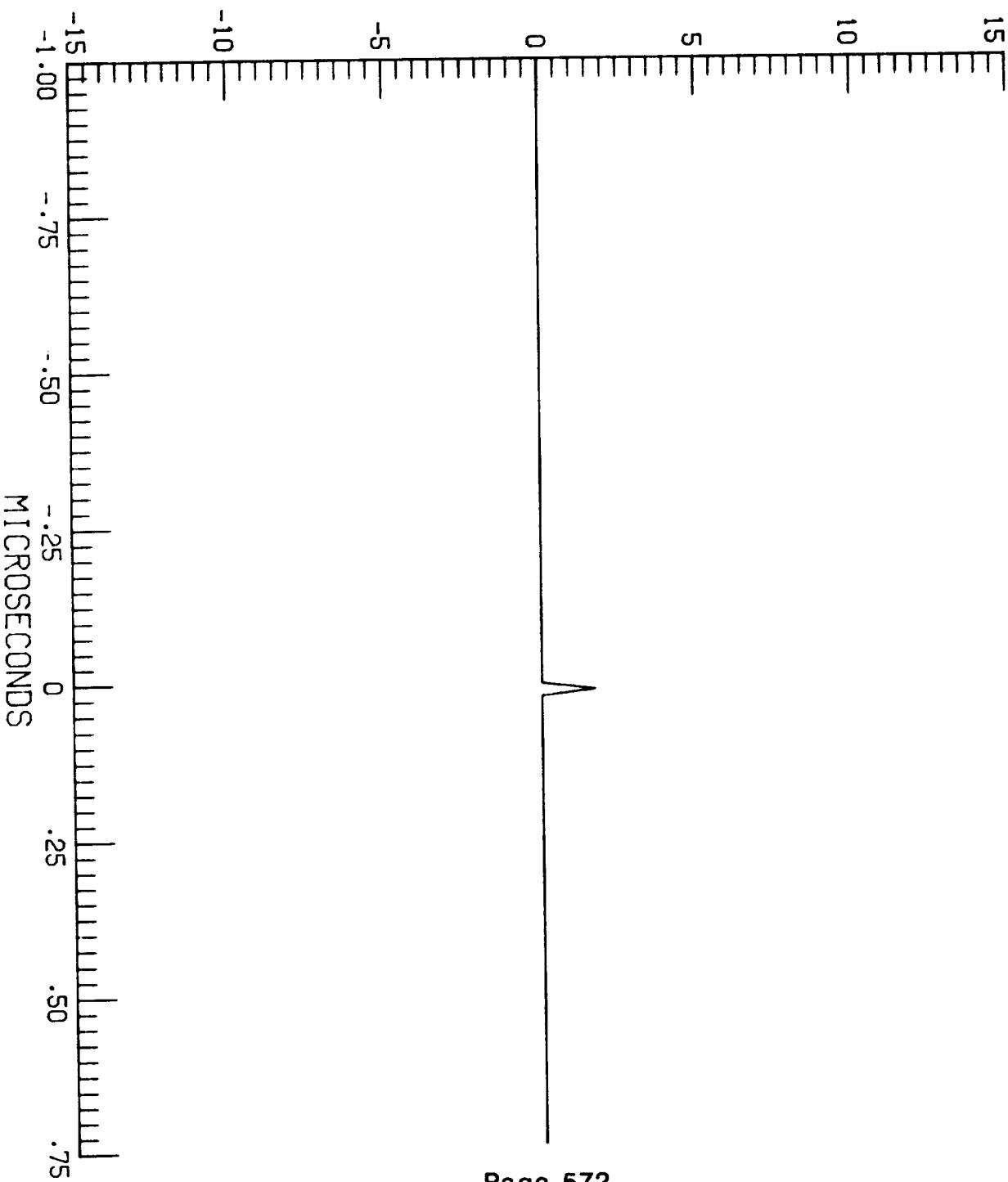
21:51:14.6
CHANNEL NO. 2.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²



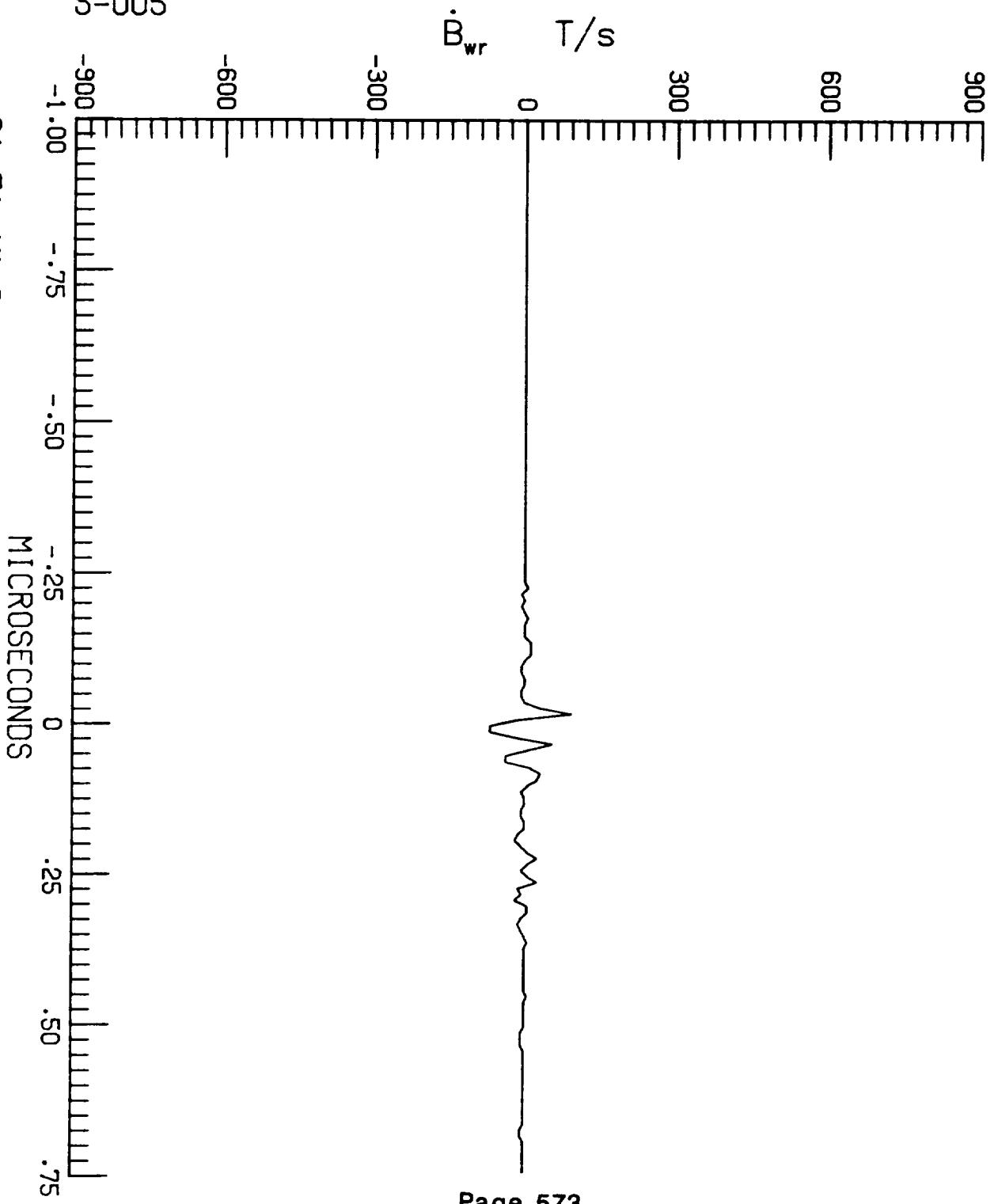
21:51:14.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 5

S-005

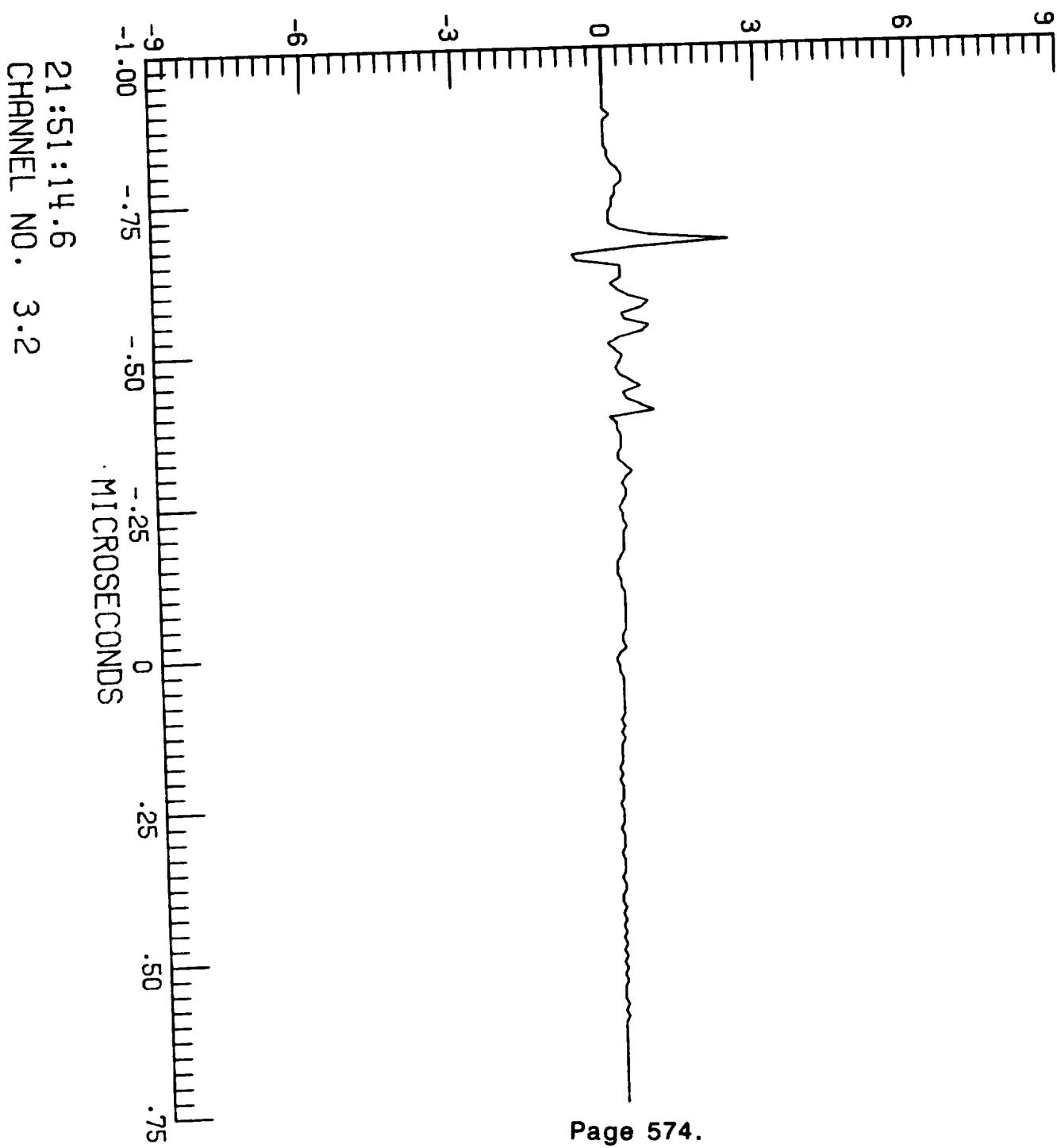
21:51:14.6
CHANNEL NO. 3.1



F106 LIGHTNING/85-032/ZAEPFEL
LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²



21:51:14.6
CHANNEL NO. 3.2

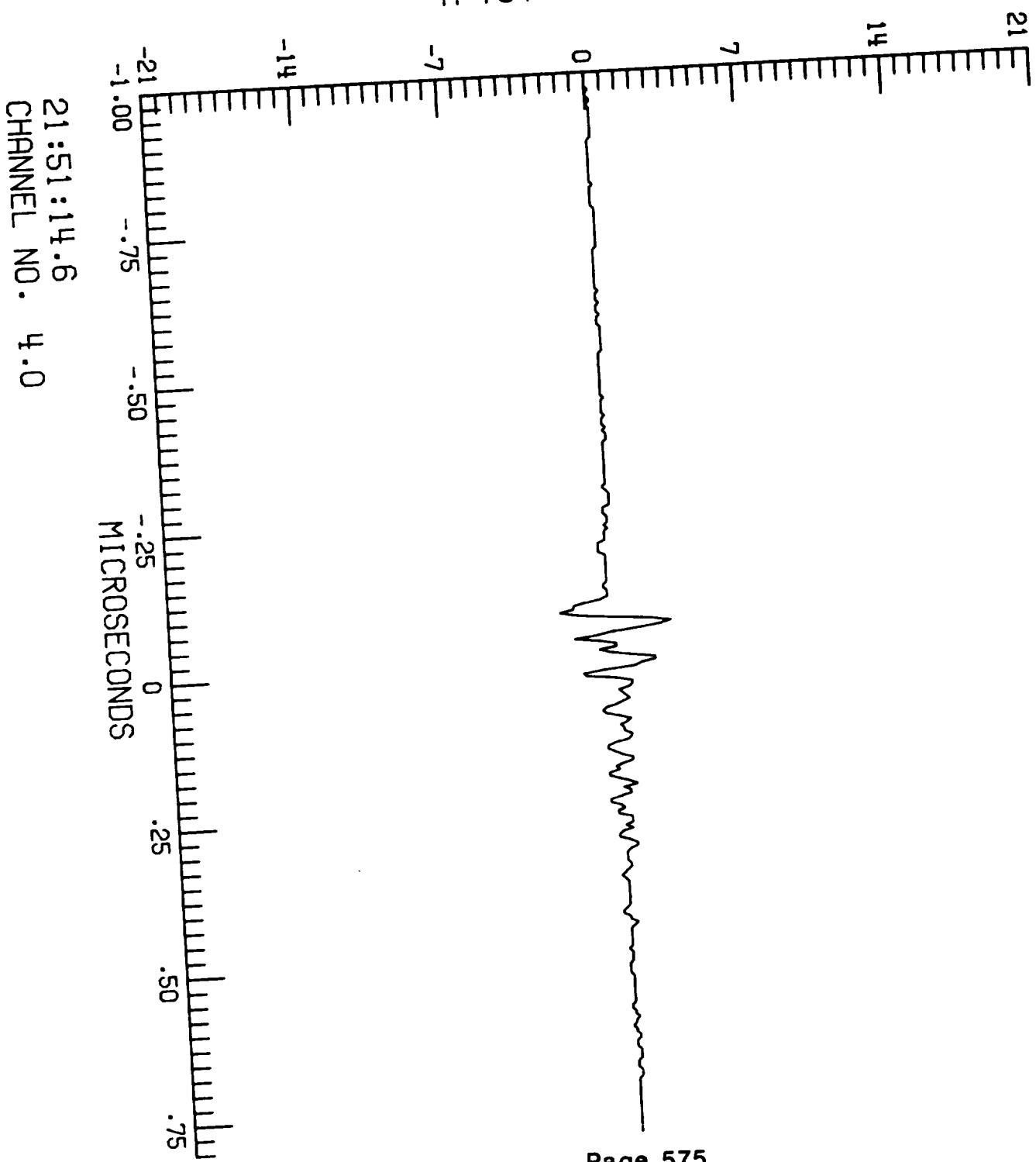
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V



21:51:14.6
CHANNEL NO. 4.0

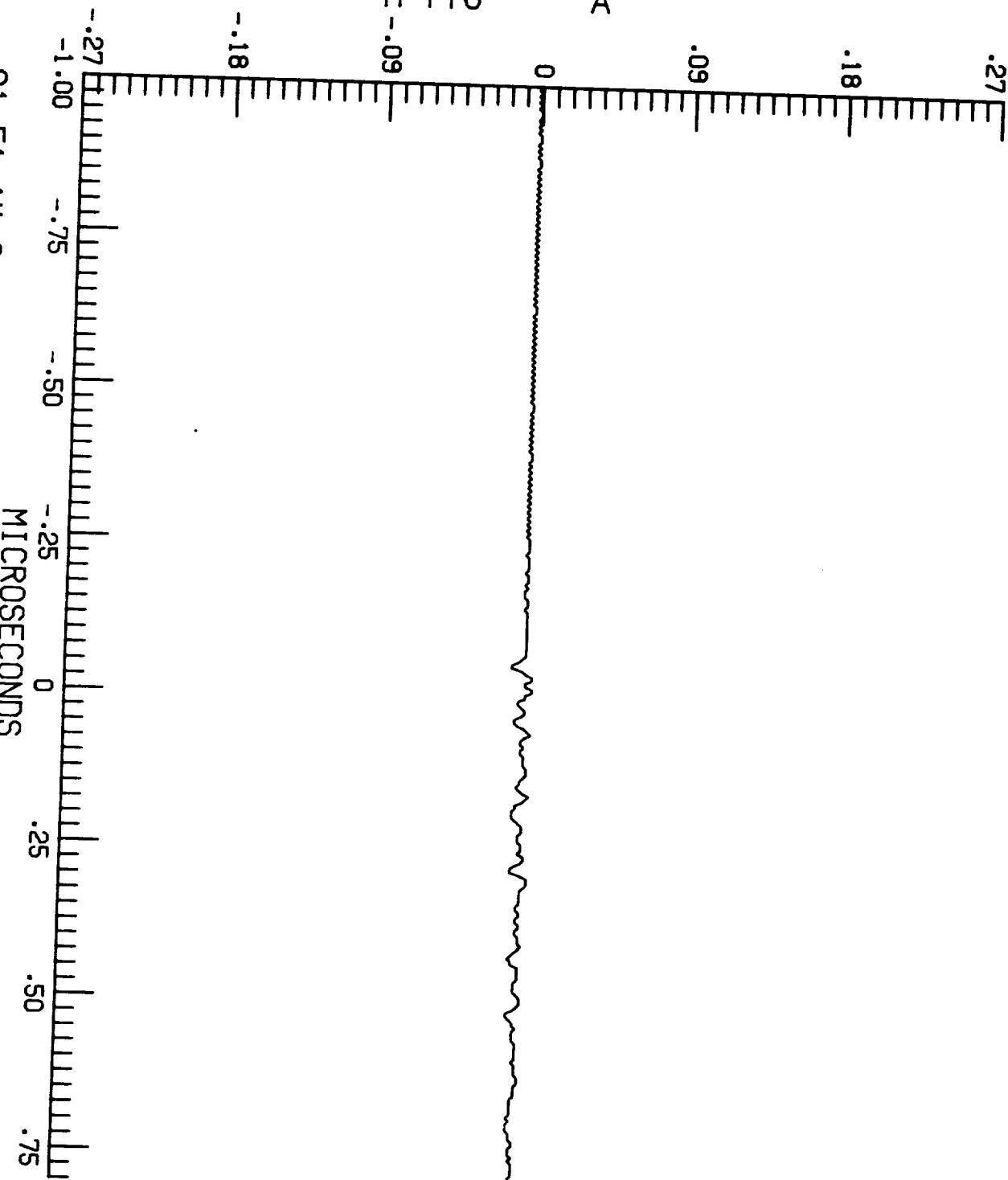
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP116

A



21:51:14.6
CHANNEL NO. 4.1

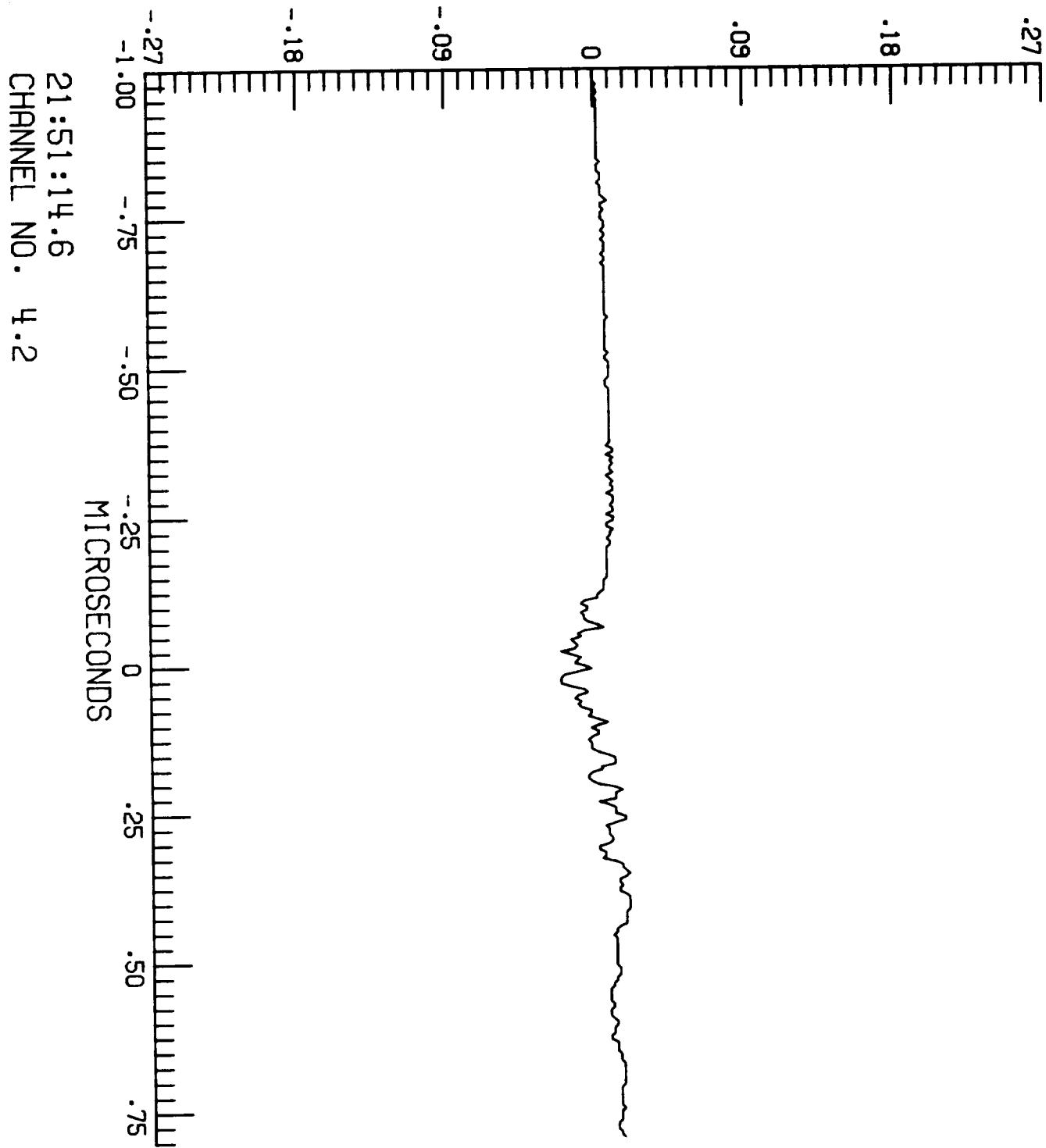
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP112

A



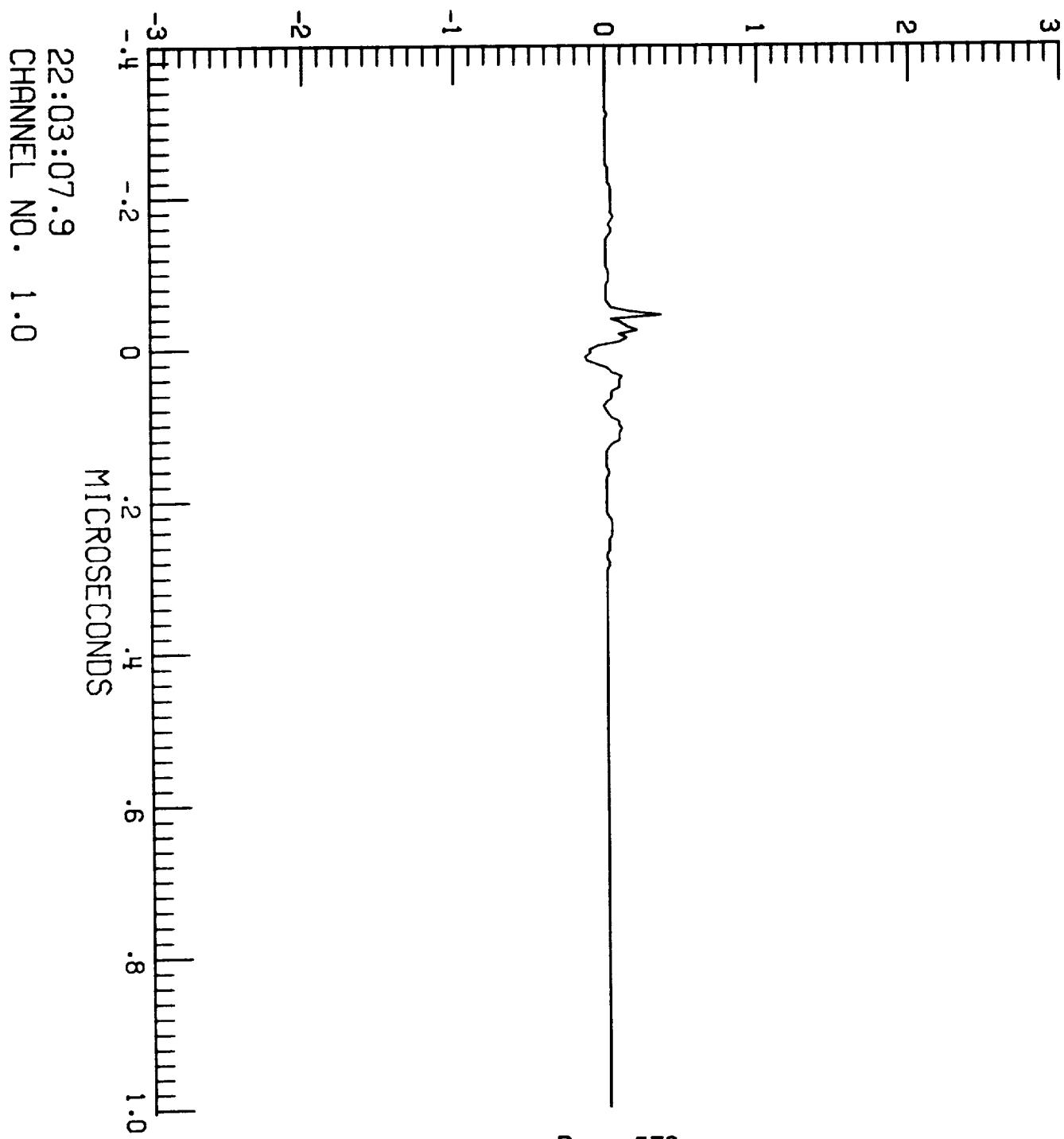
21:51:14.6
CHANNEL NO. 4.2

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 6

S-007

\dot{D}_t A/m²

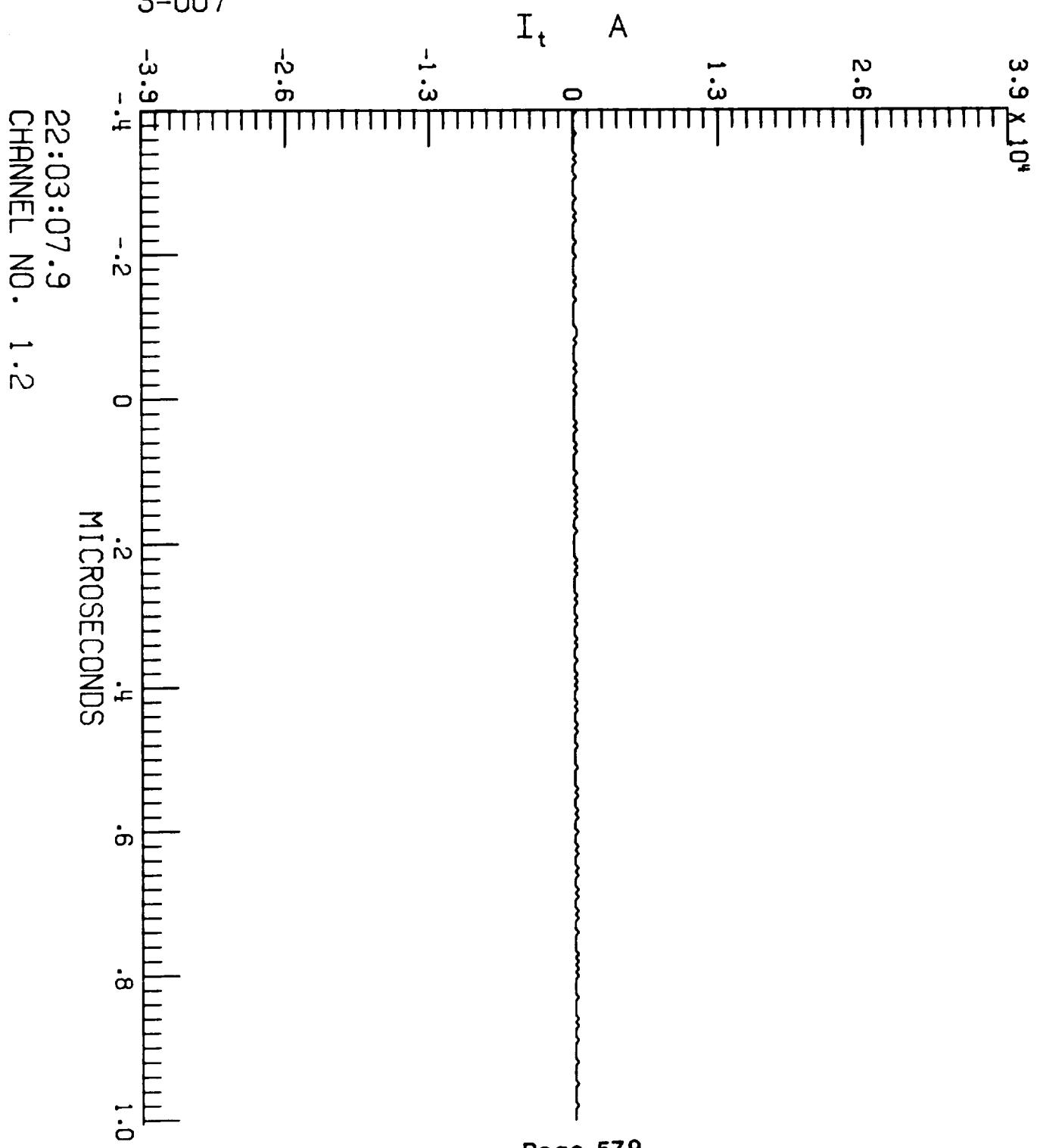


22:03:07.9
CHANNEL NO. 1.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 1 RUN NO. 6

S-007



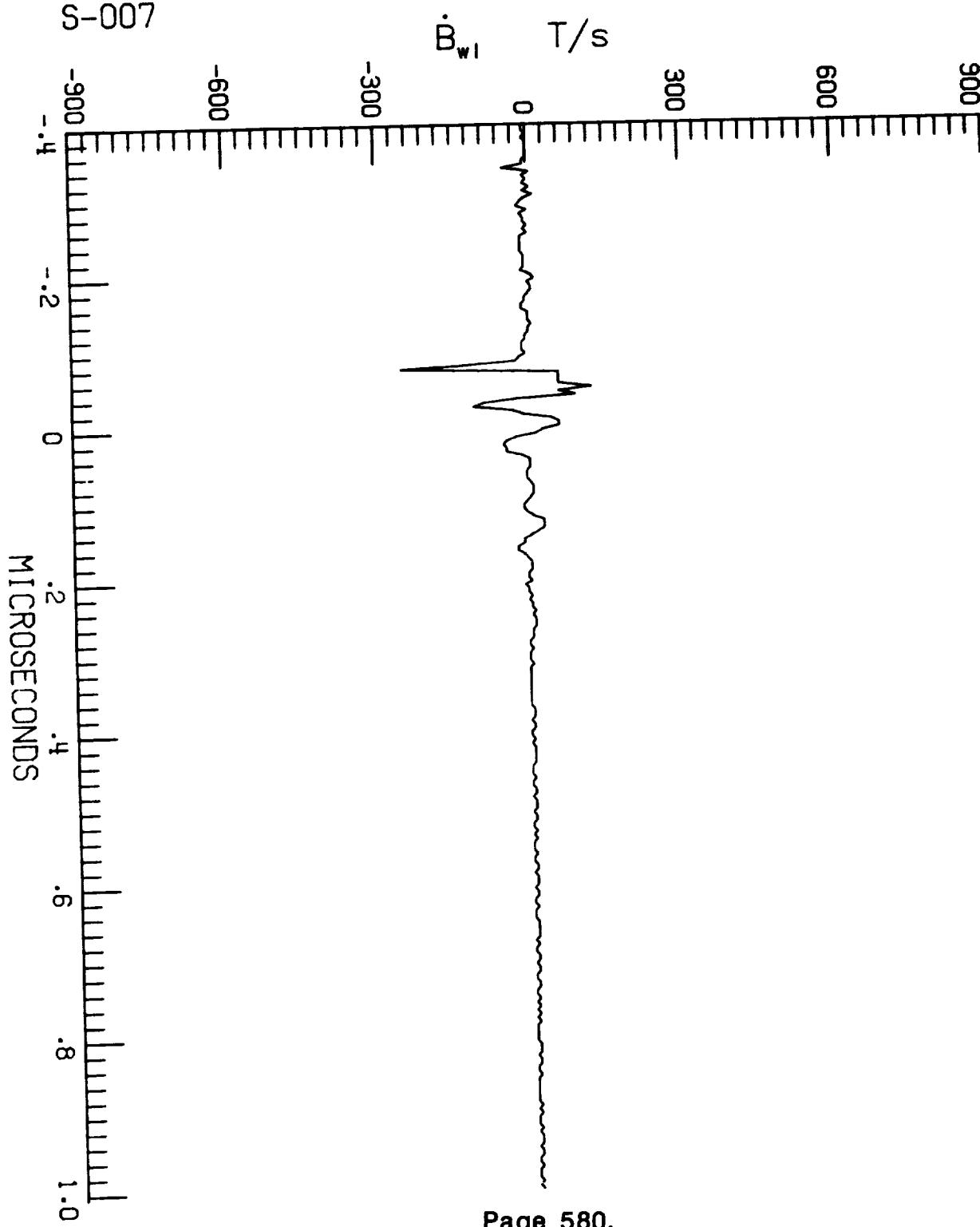
22:03:07.9
CHANNEL NO. 1.2

F106 LIGHTNING/85-032/ZAEPFEL

LEC 2 RUN NO. 6

S-007

22:03:07.9
CHANNEL NO. 2.0

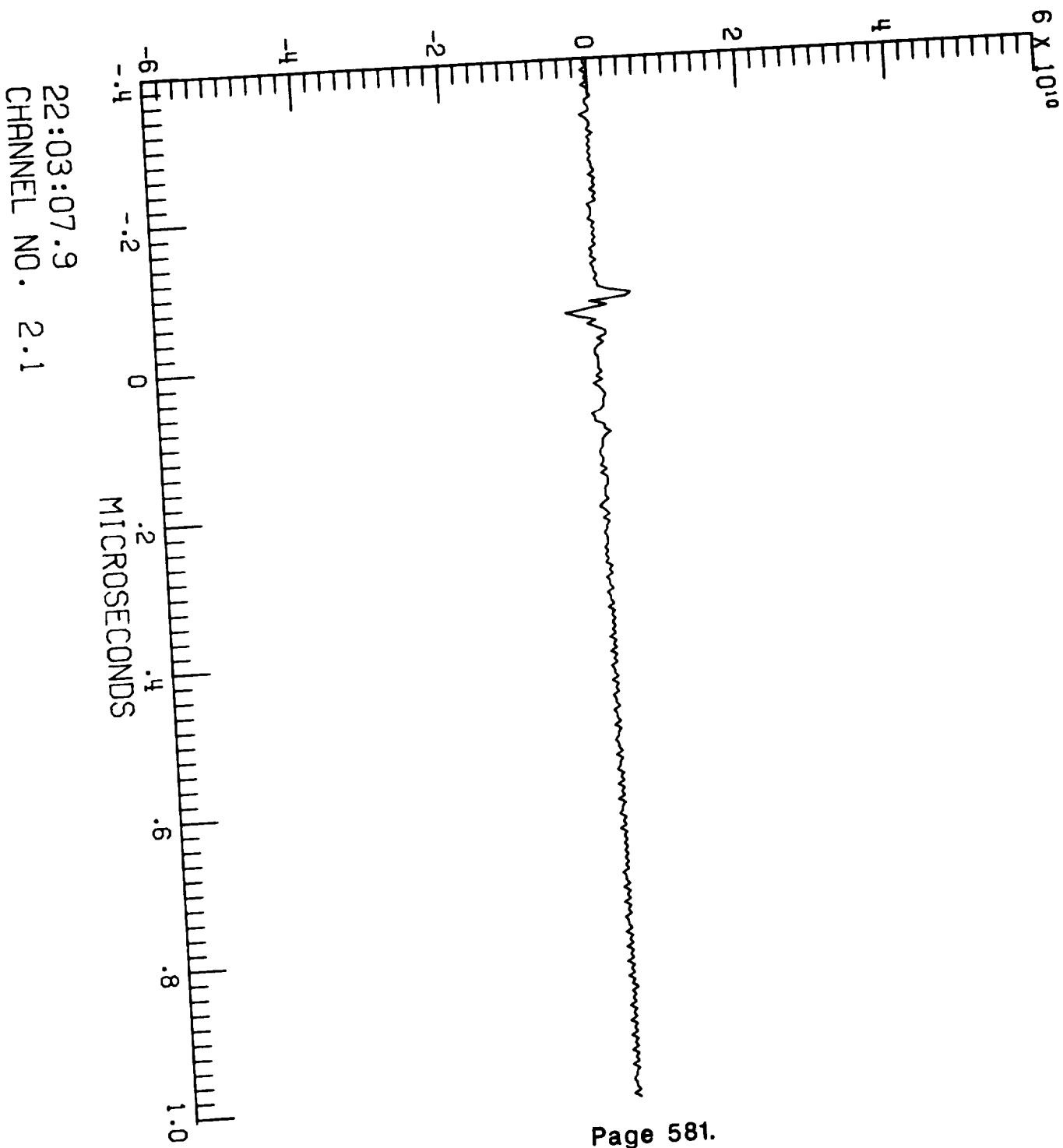


F106 LIGHTNING/85-032/ZAEPFEL

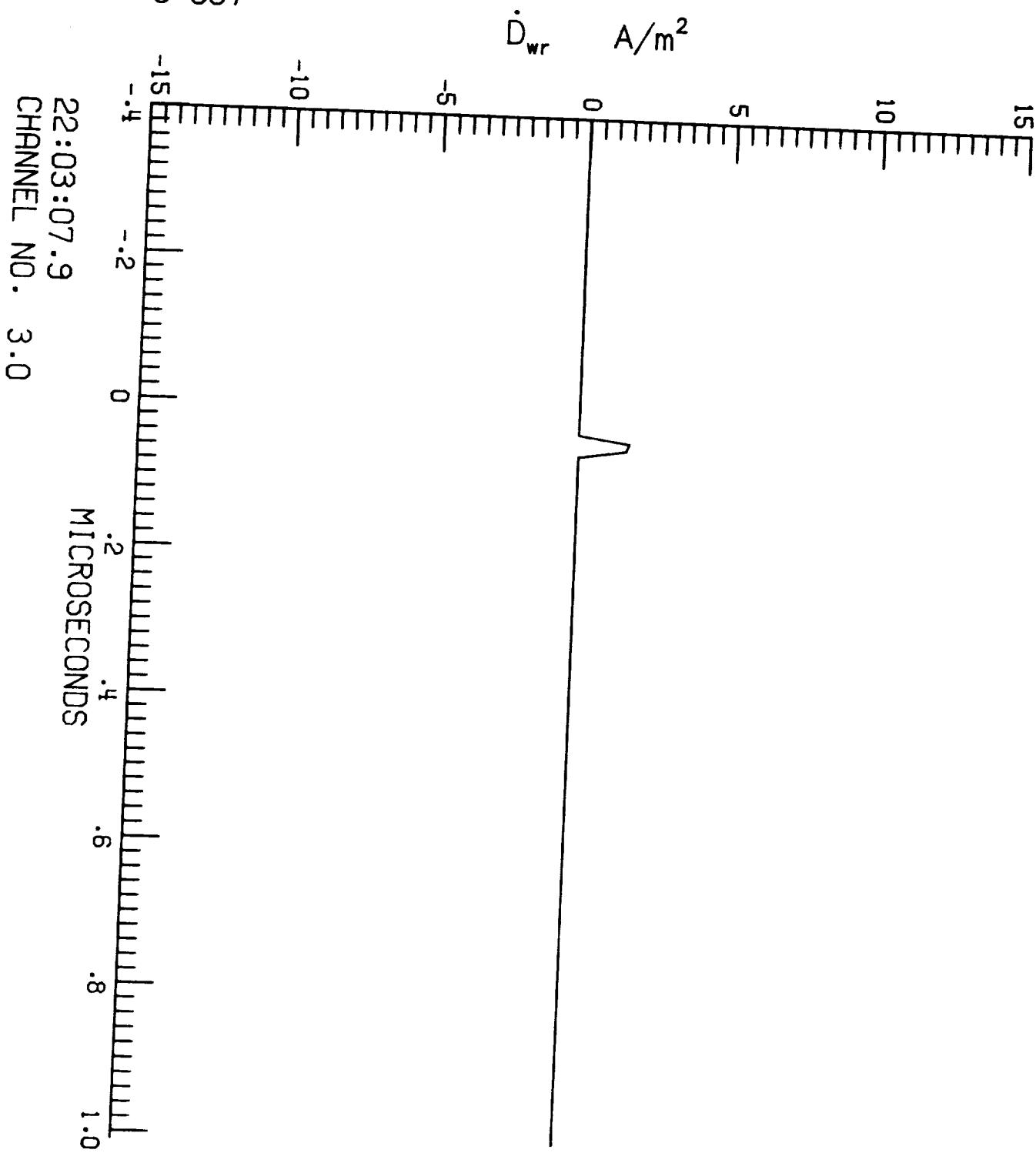
LEC 2 RUN NO. 6

S-007

\dot{I} A/s



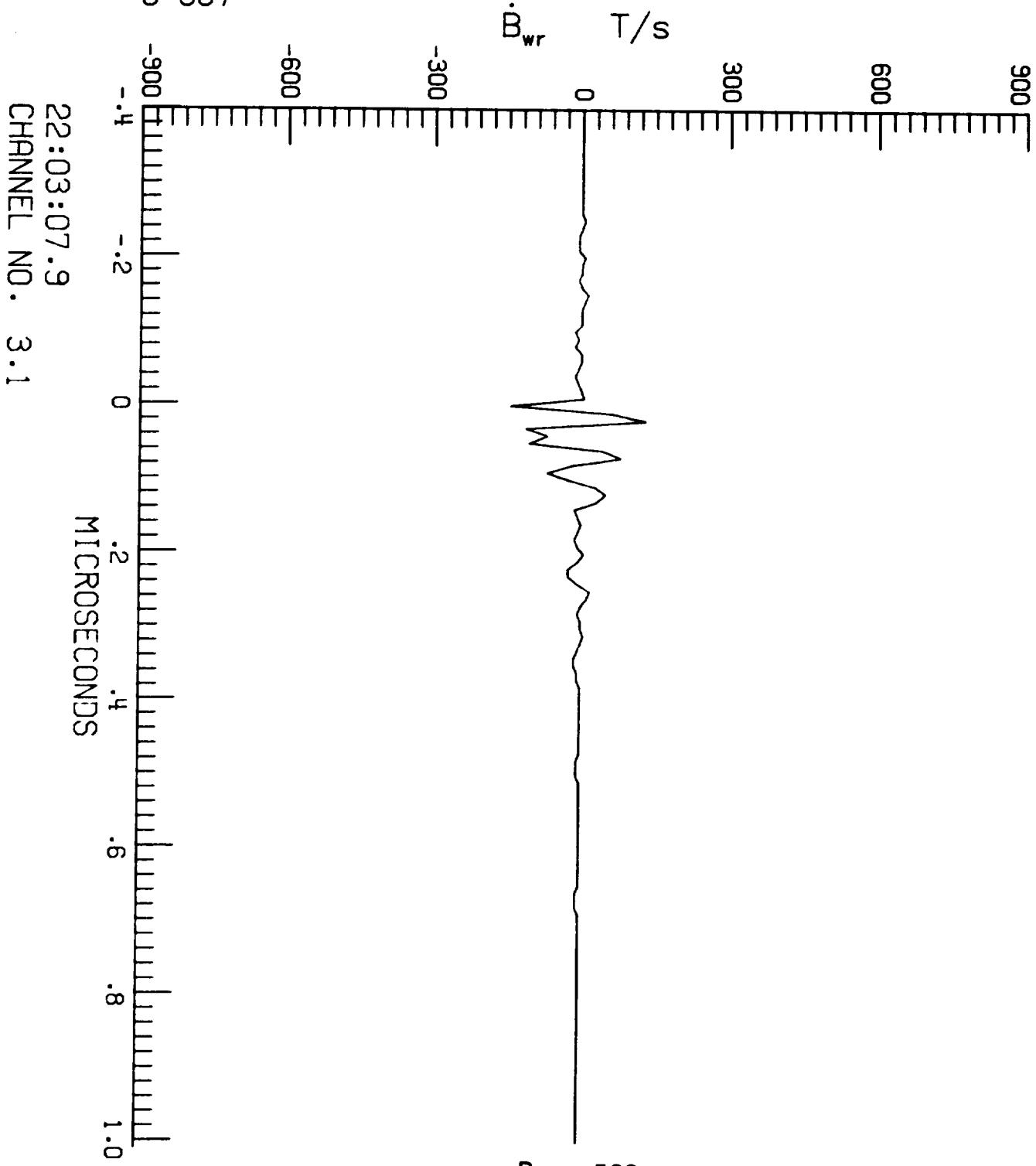
F106 LIGHTNING/85-032/ZAEPFEL
LEC 3 RUN NO. 6
S-007



F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 6

S-007



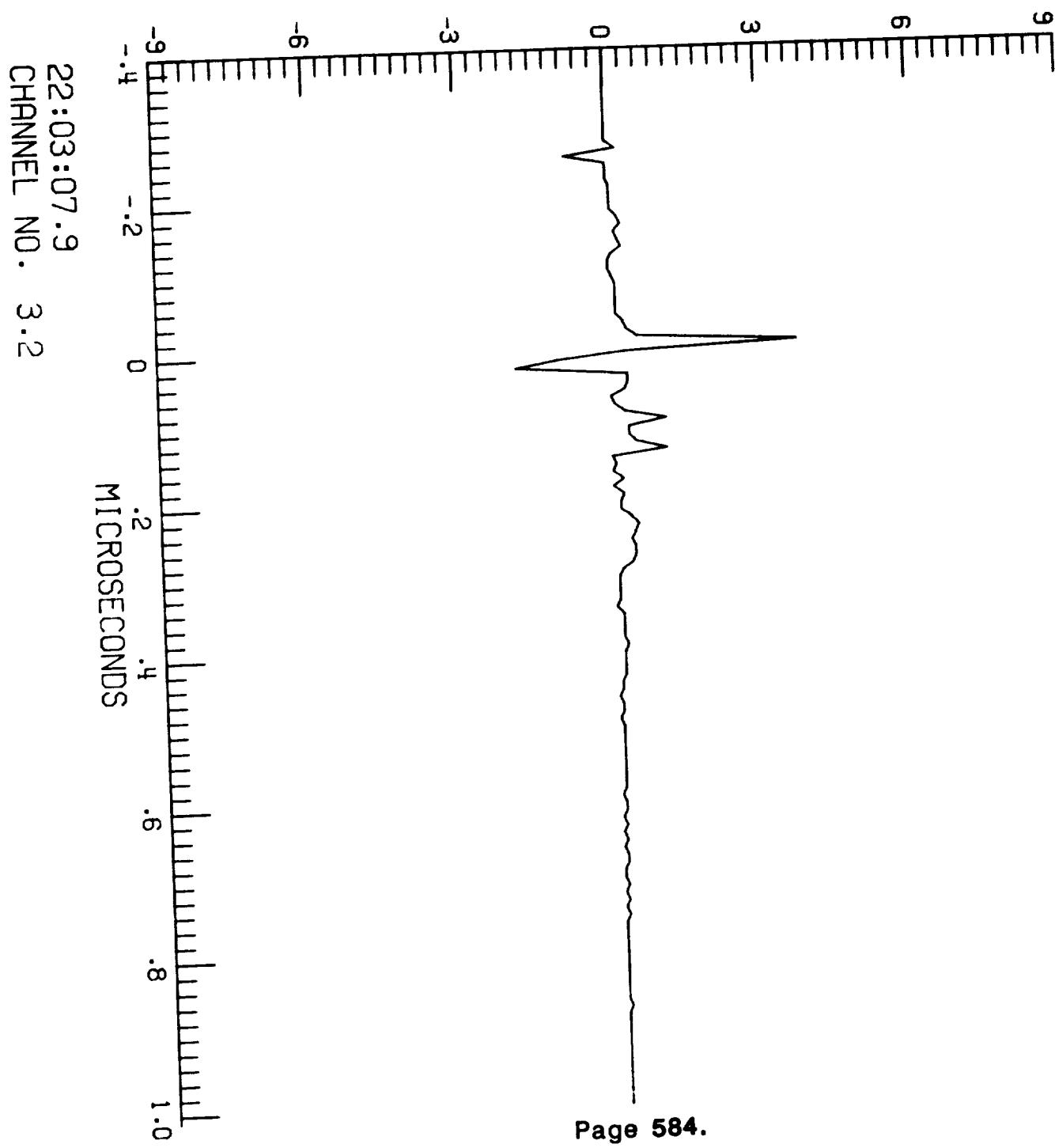
22:03:07.9
CHANNEL NO. 3.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 3 RUN NO. 6

S-007

\dot{D}_t A/m²



22:03:07.9
CHANNEL NO. 3.2

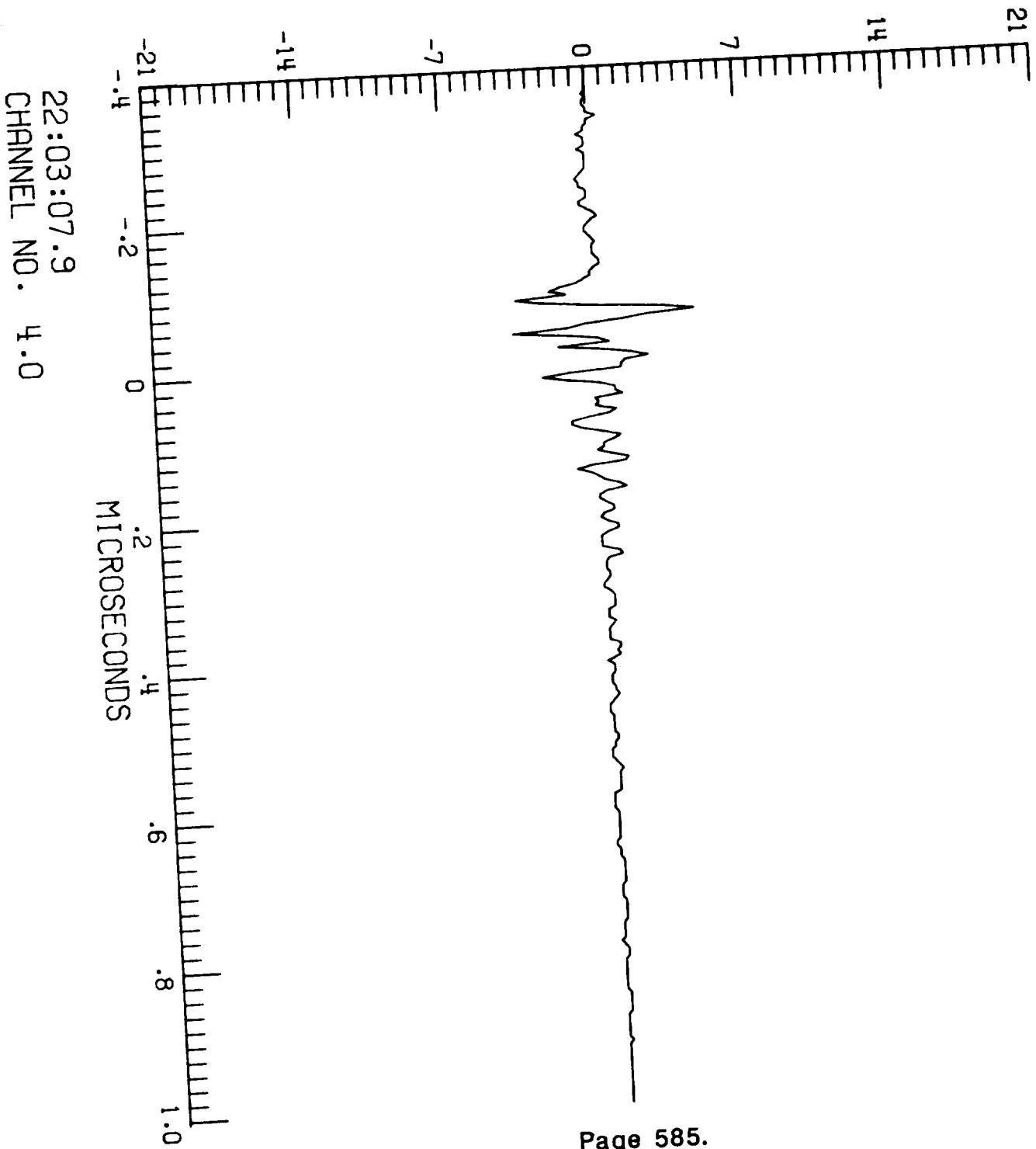
F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 6

S-007

TP101

V

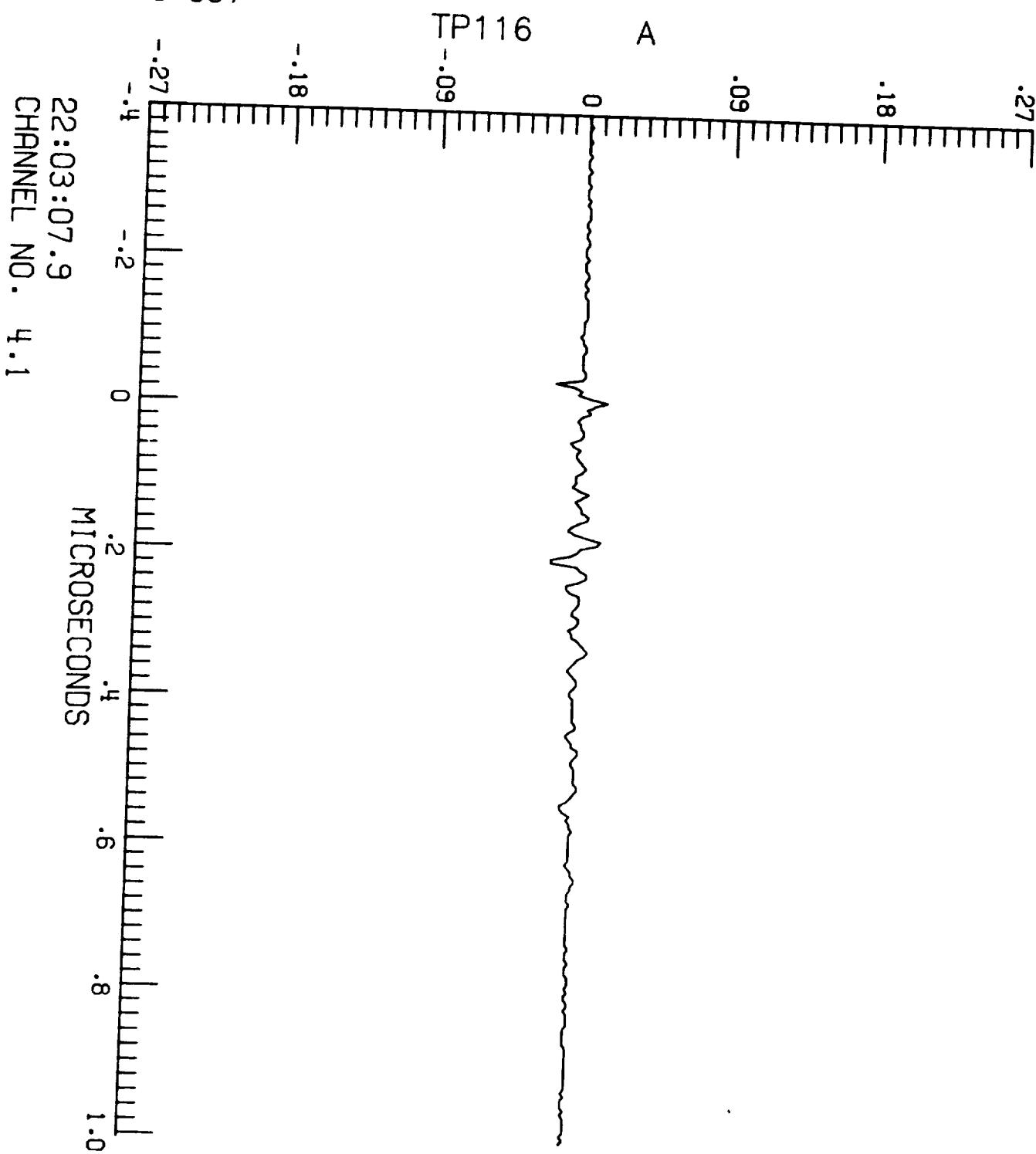


22:03:07.9
CHANNEL NO. 4.0

F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 6

S-007



22:03:07.9
CHANNEL NO. 4.1

F106 LIGHTNING/85-032/ZAEPFEL

LEC 4 RUN NO. 6

S-007

TP112

A

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22:03:07.9
CHANNEL NO. 4.2

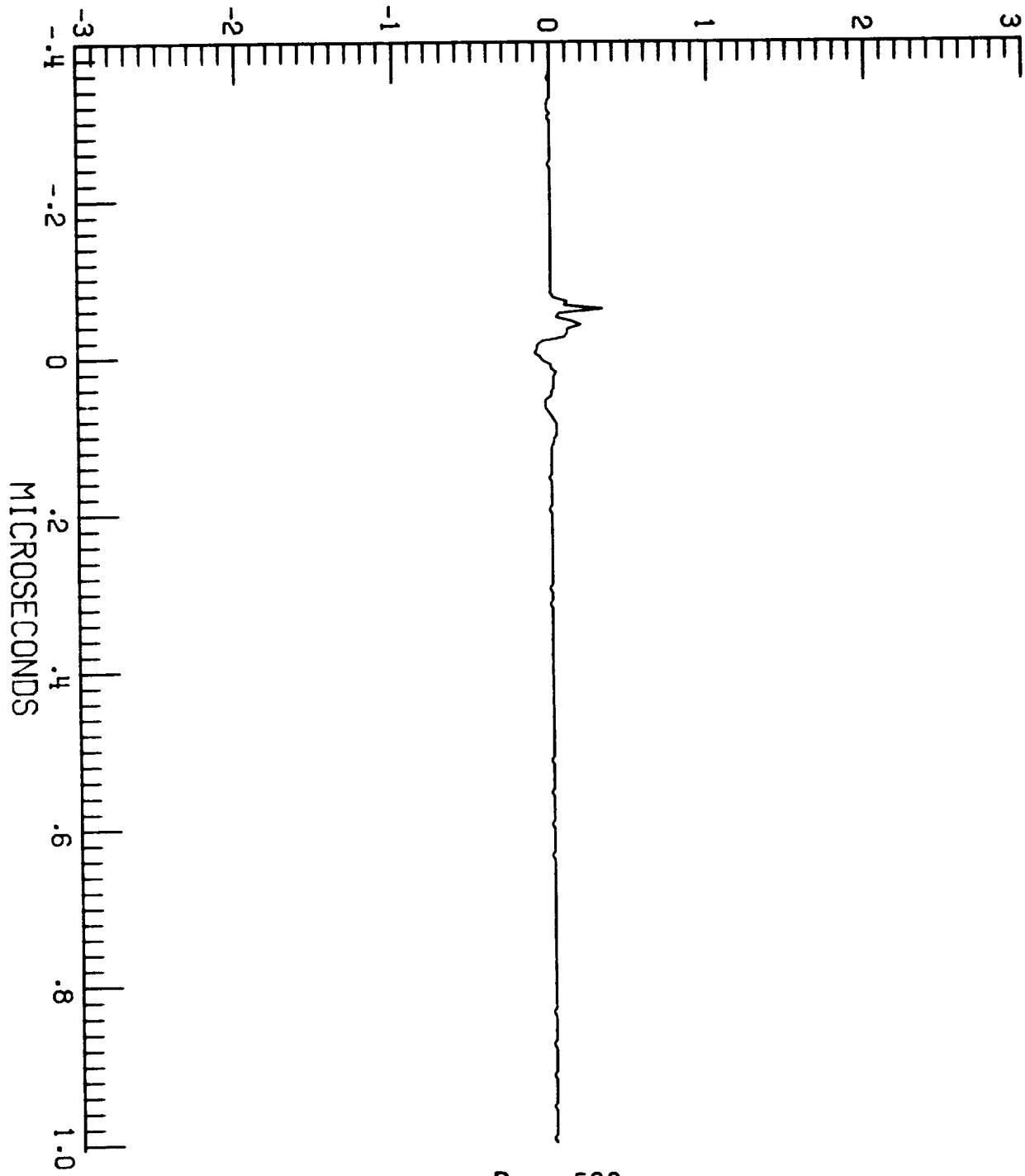
F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 1

S-001

\dot{D}_t A/m²

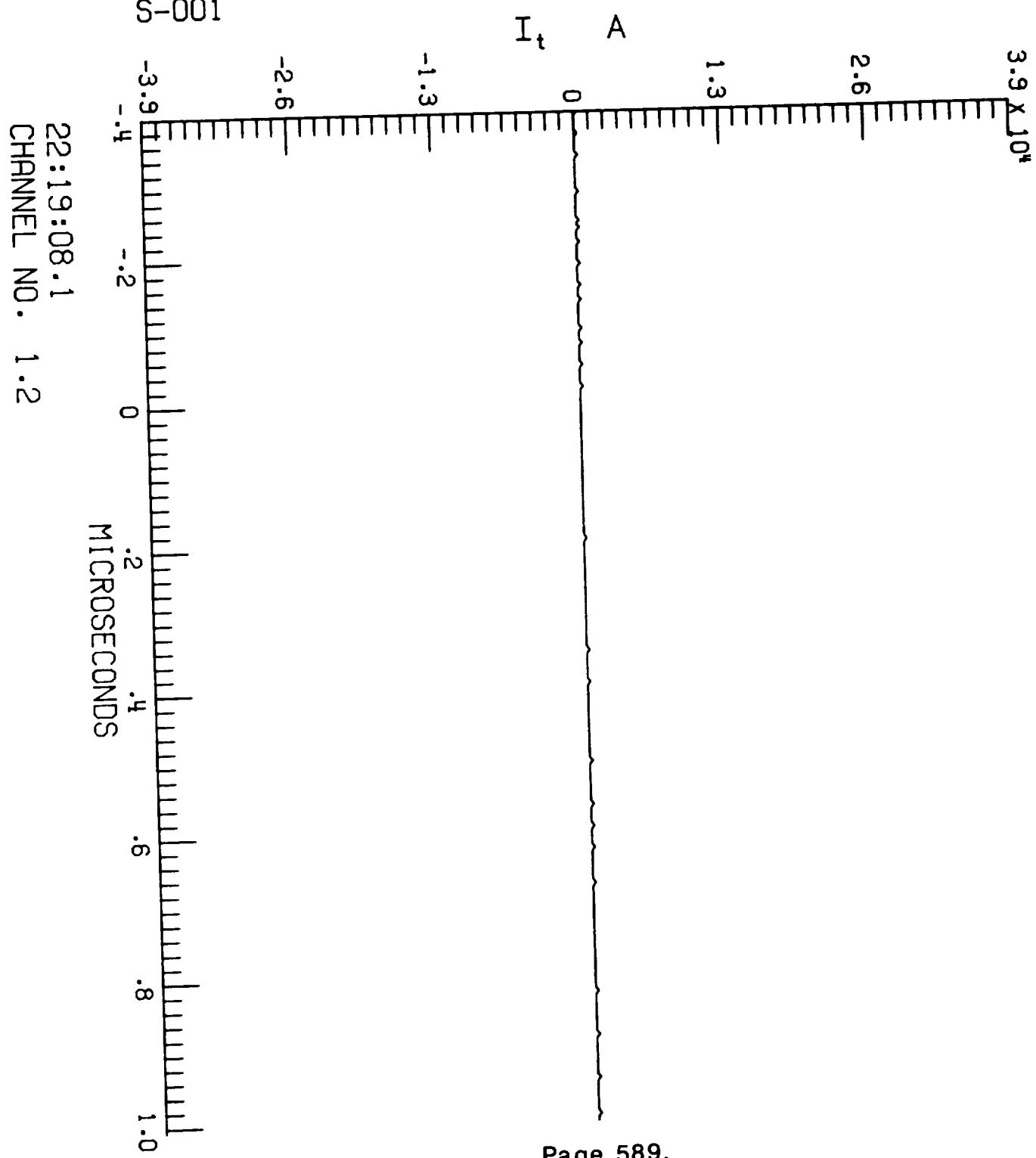
22:19:08.1
CHANNEL NO. 1.0



F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 1

S-001

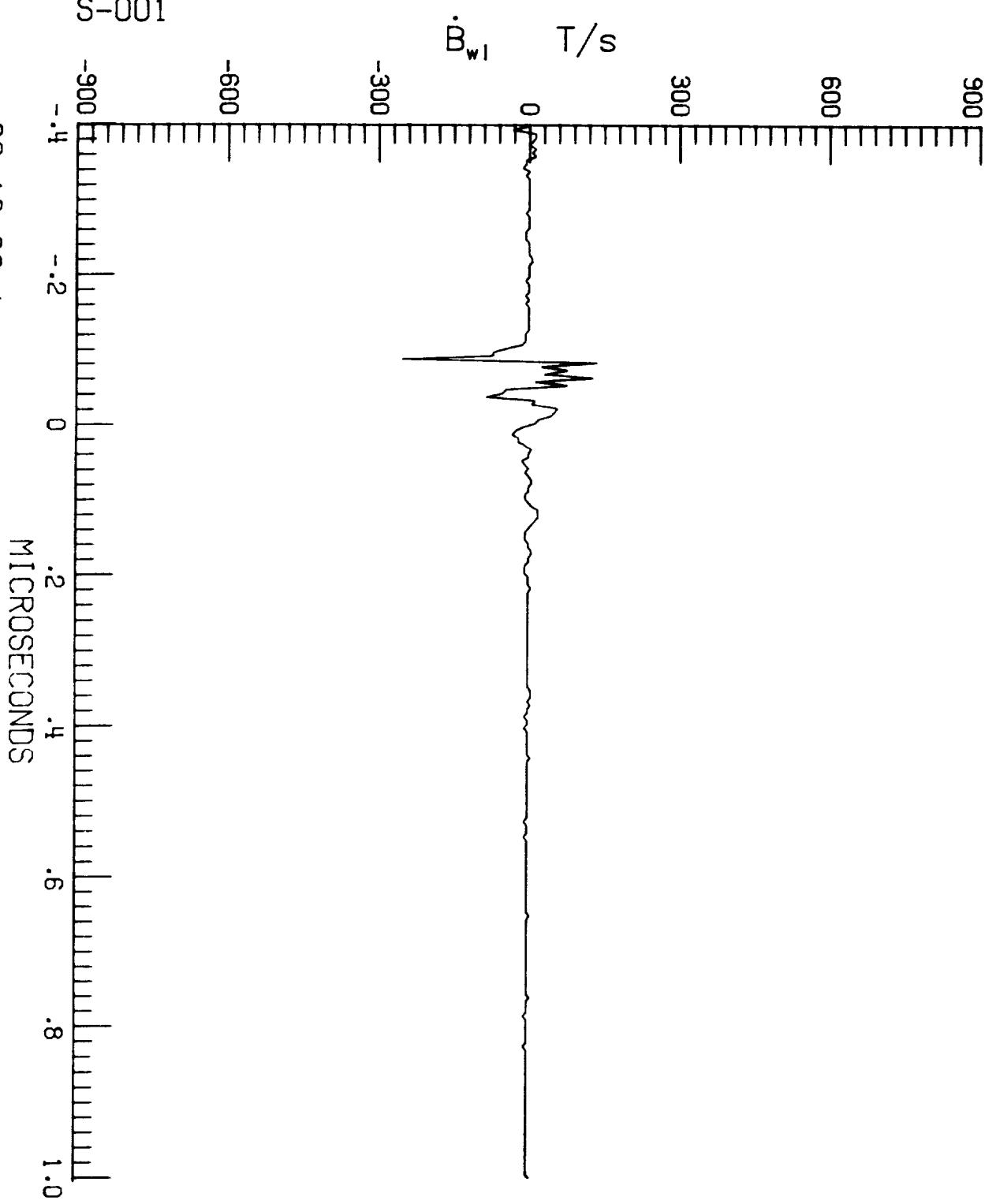


22:19:08.1
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 1

S-001



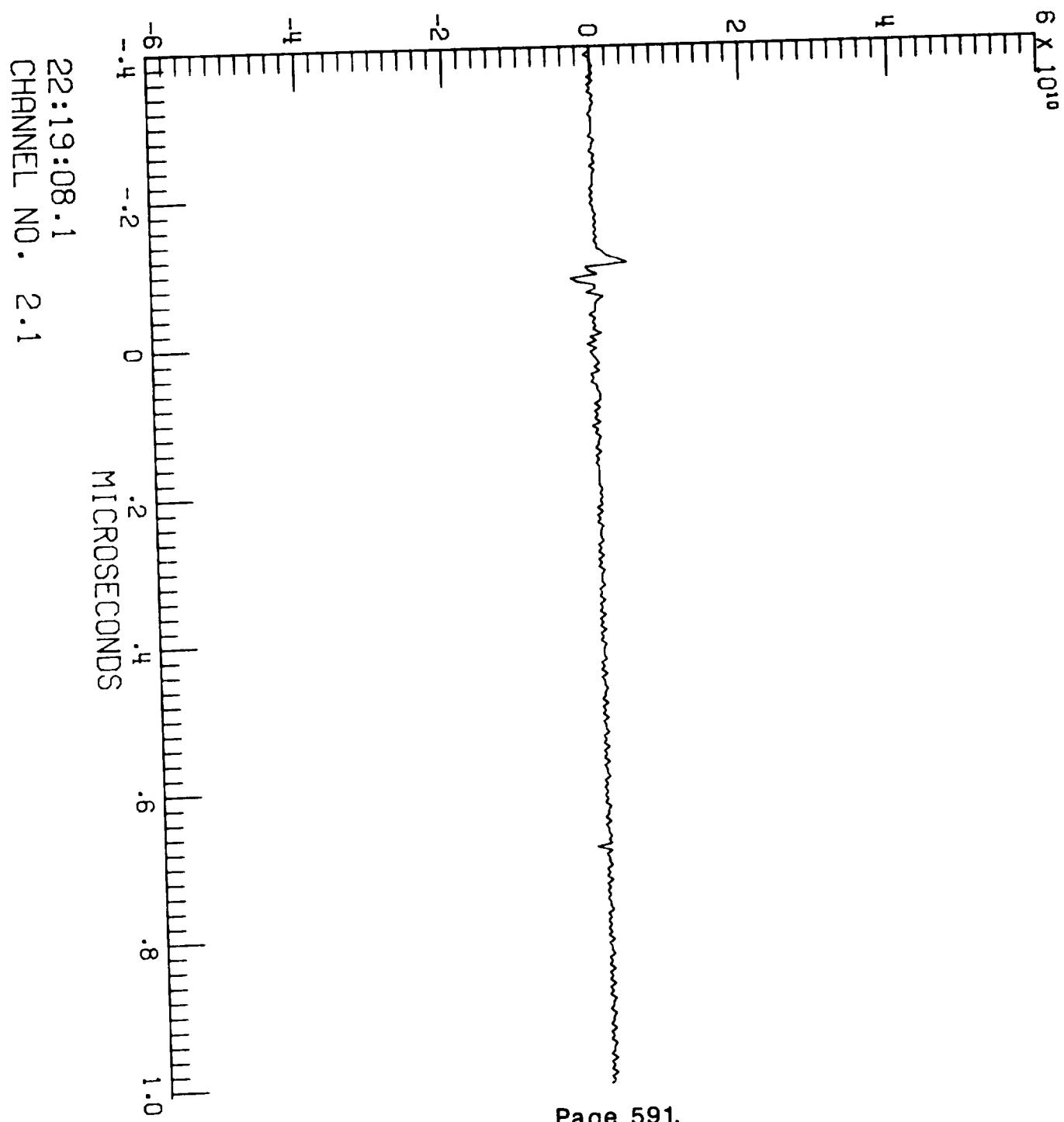
22:19:08.1
CHANNEL NO. 2.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 1

S-001

\dot{I} A/s



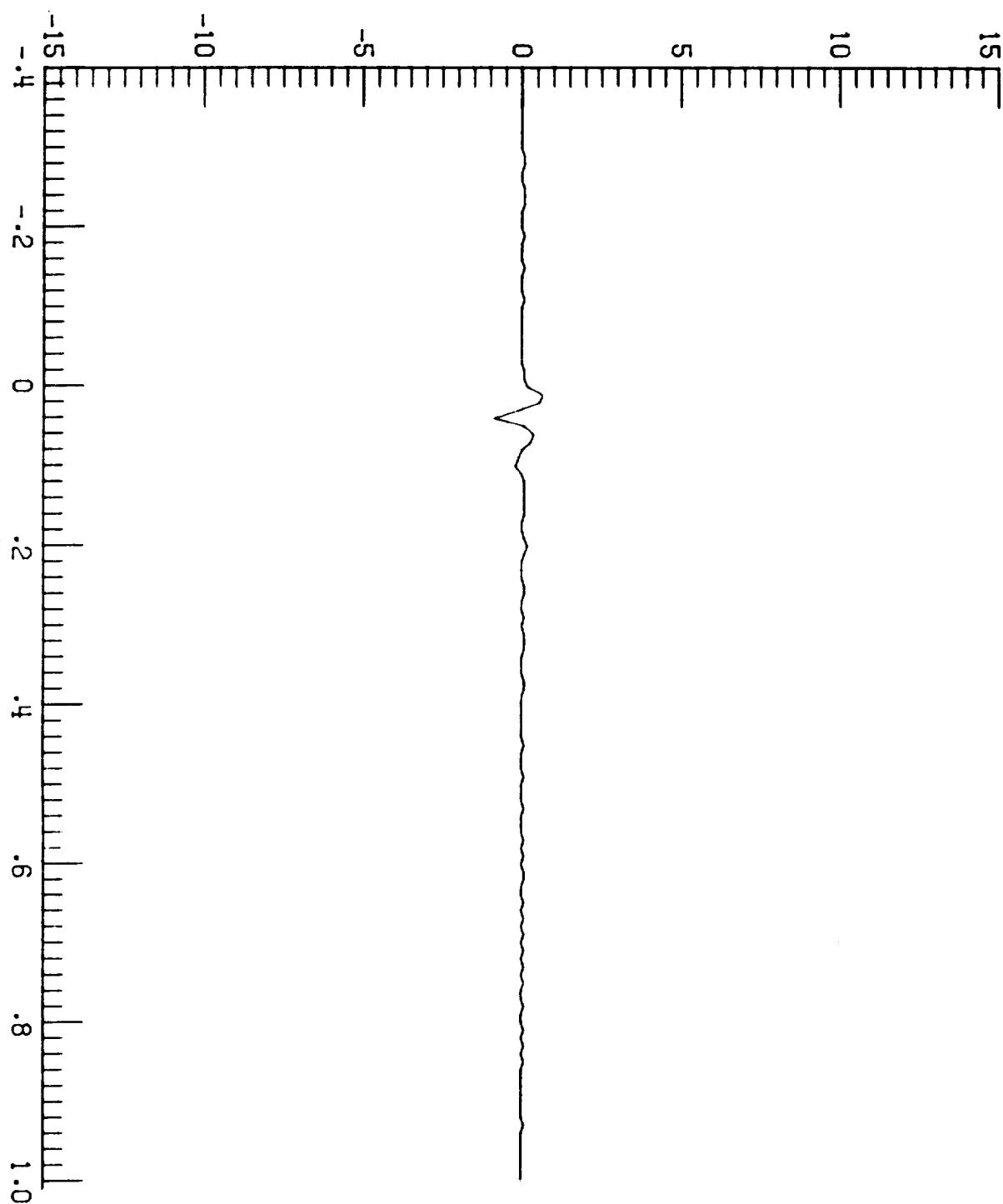
22:19:08.1
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 1

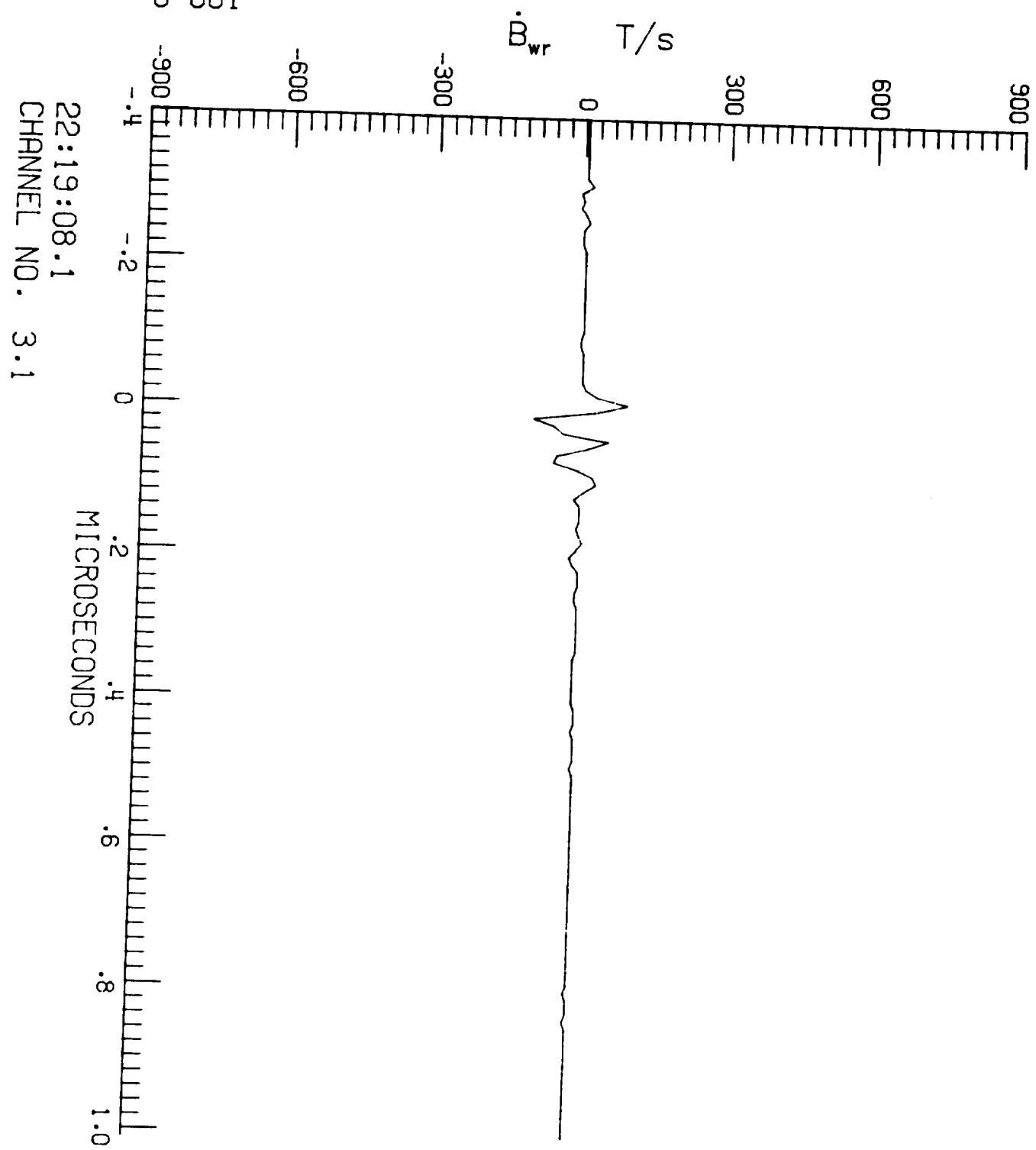
S-001

\dot{D}_{wr} A/m²



22:19:08.1
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL
LEC 3 RUN NO. 1
S-001



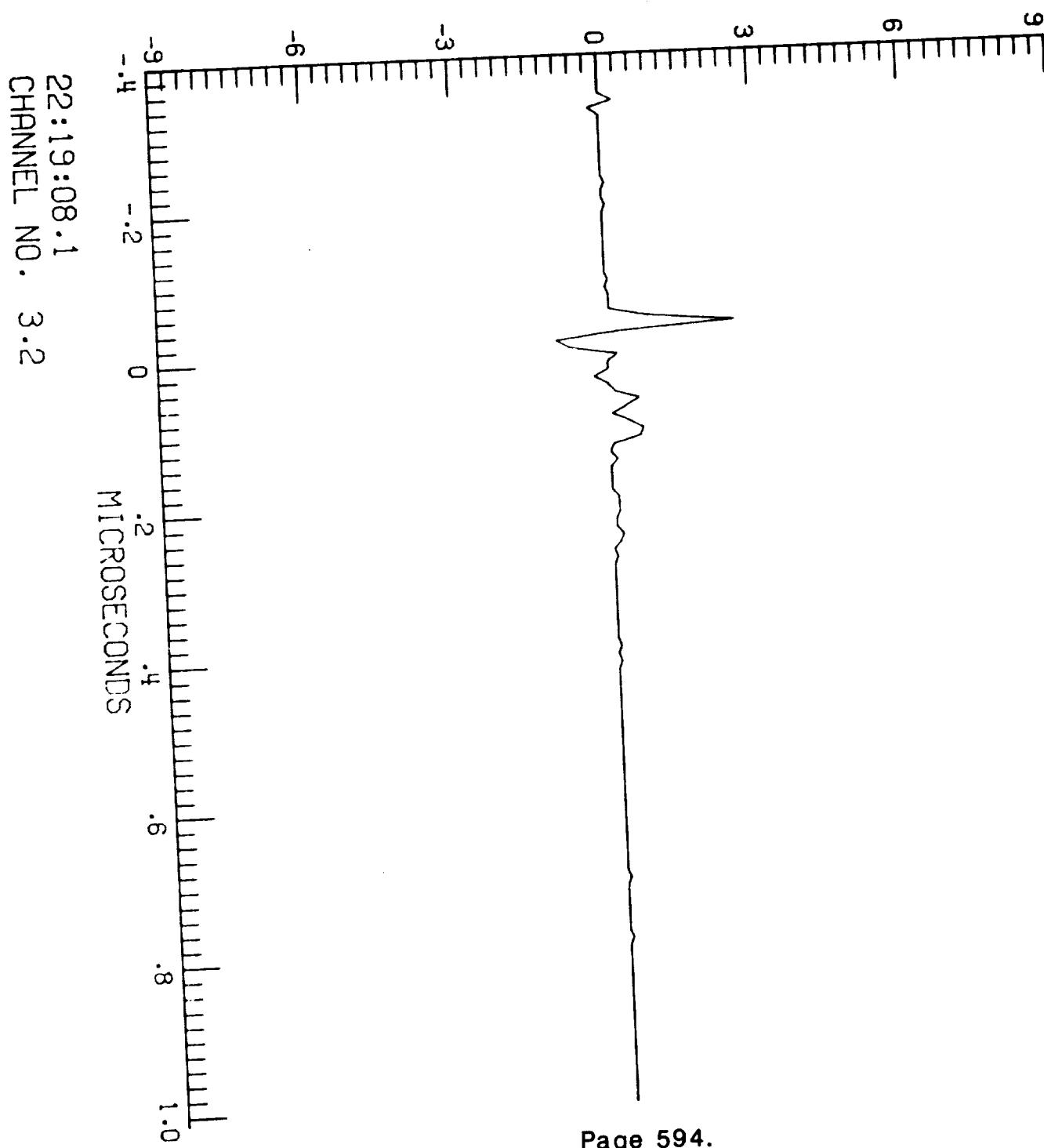
22:19:08.1
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 1

S-001

\dot{D}_f A/m²



22:19:08.1
CHANNEL NO. 3.2

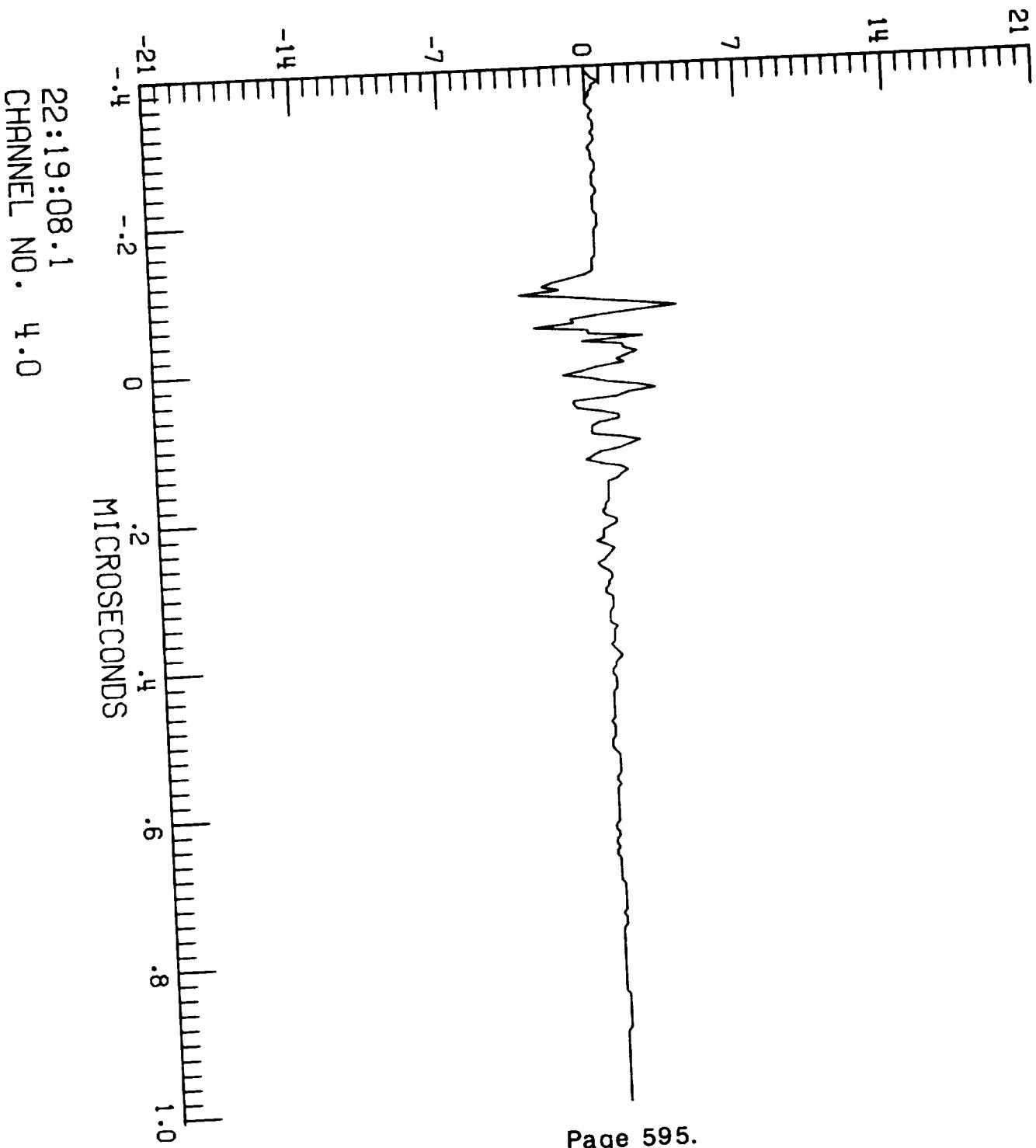
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 1

S-001

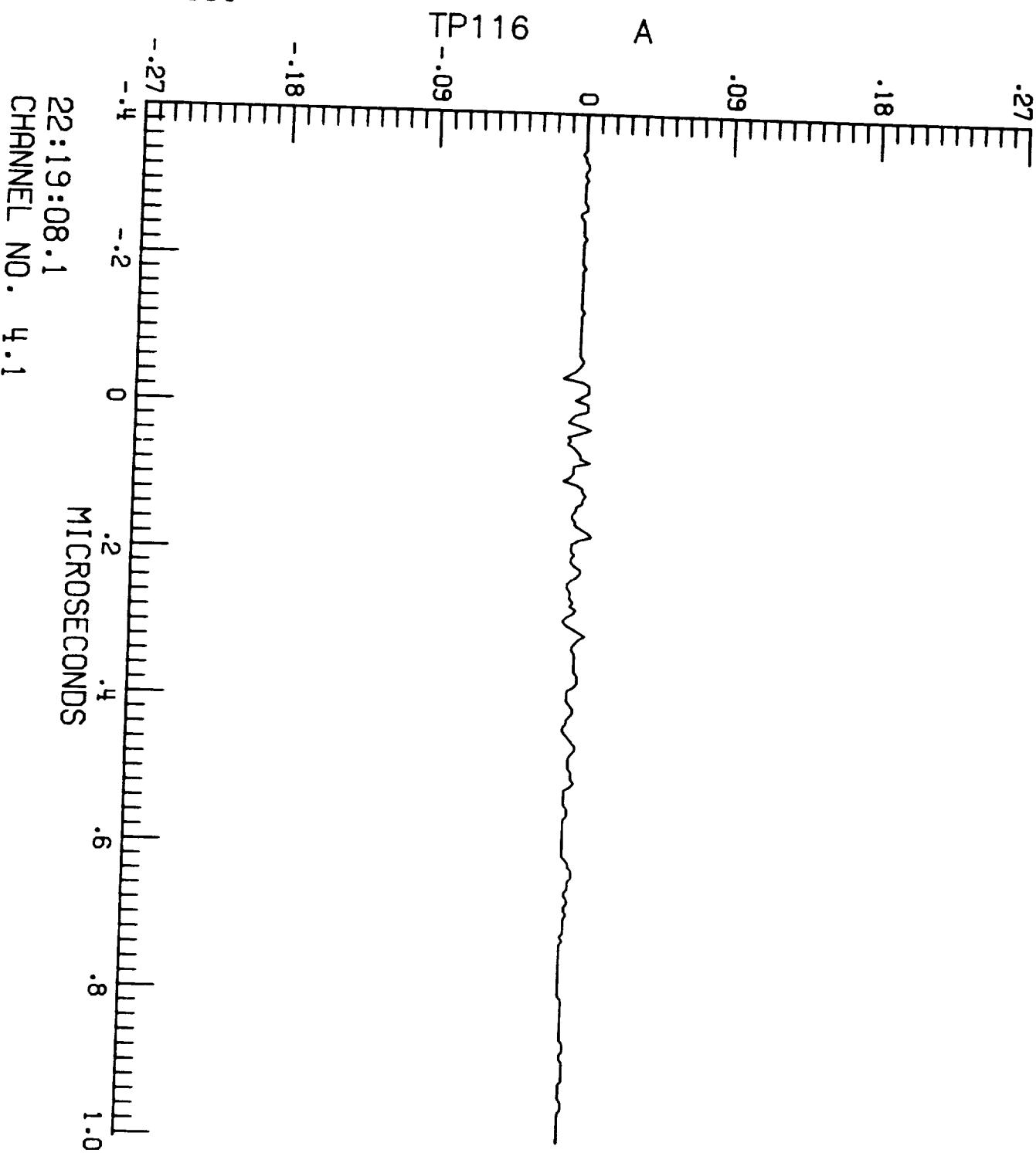
TP101

V



22:19:08.1
CHANNEL NO. 4.0

F106 LIGHTNING/85-033/ZAEPFEL
LEC 4 RUN NO. 1
S-001



F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP112

A

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0

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1.0



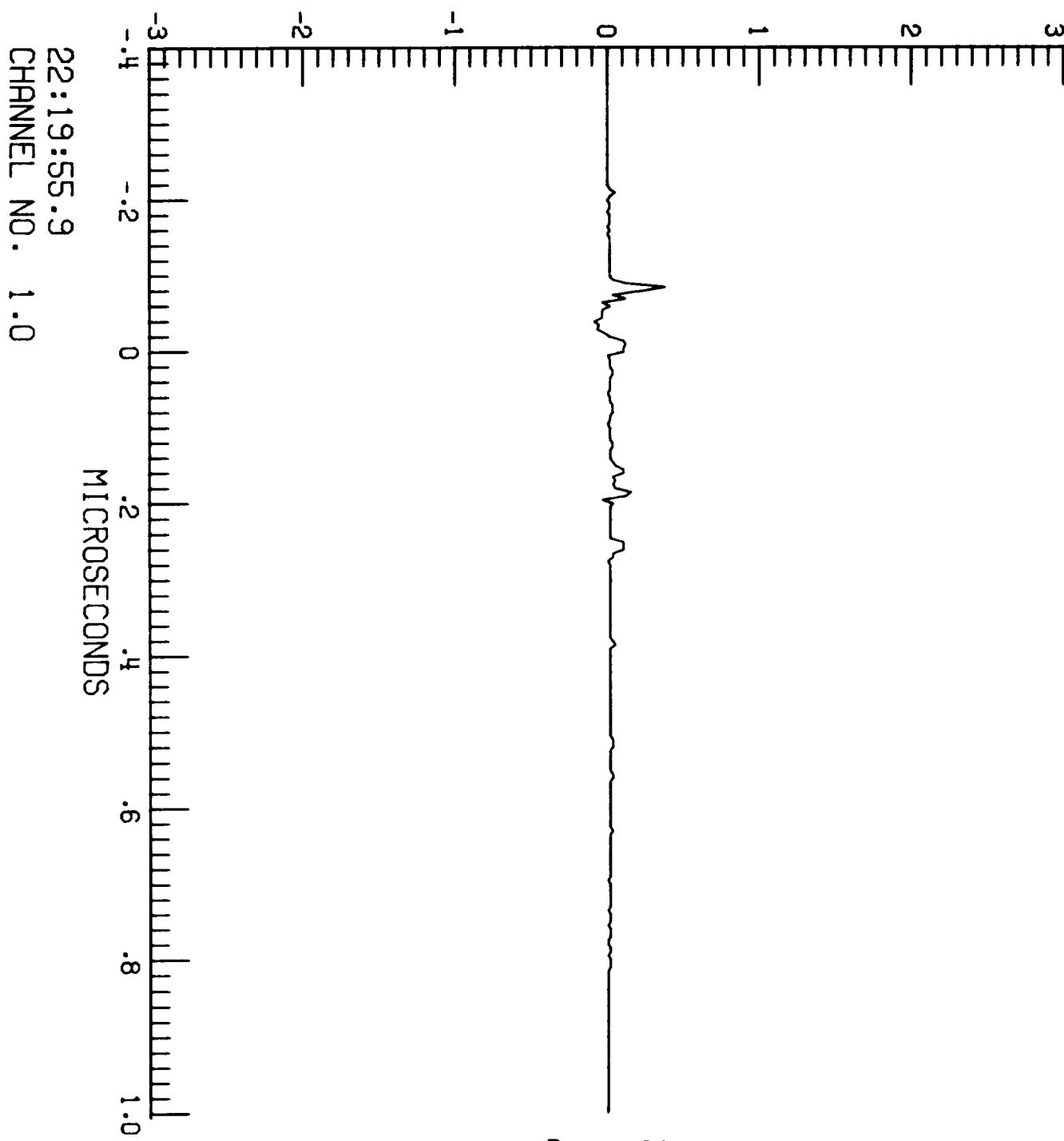
22:19:08.1
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 2

S-002

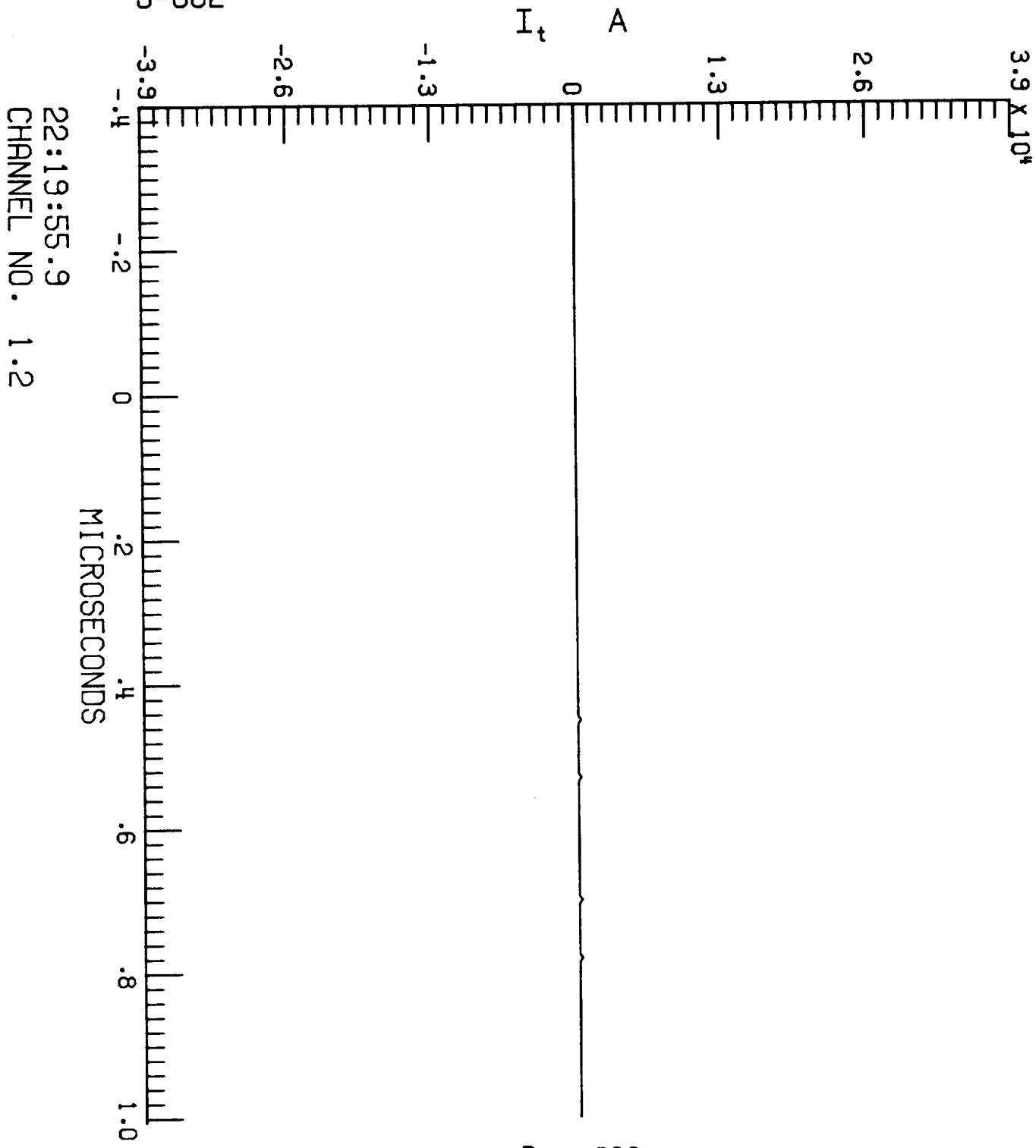
\dot{D}_t A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 2

S-002

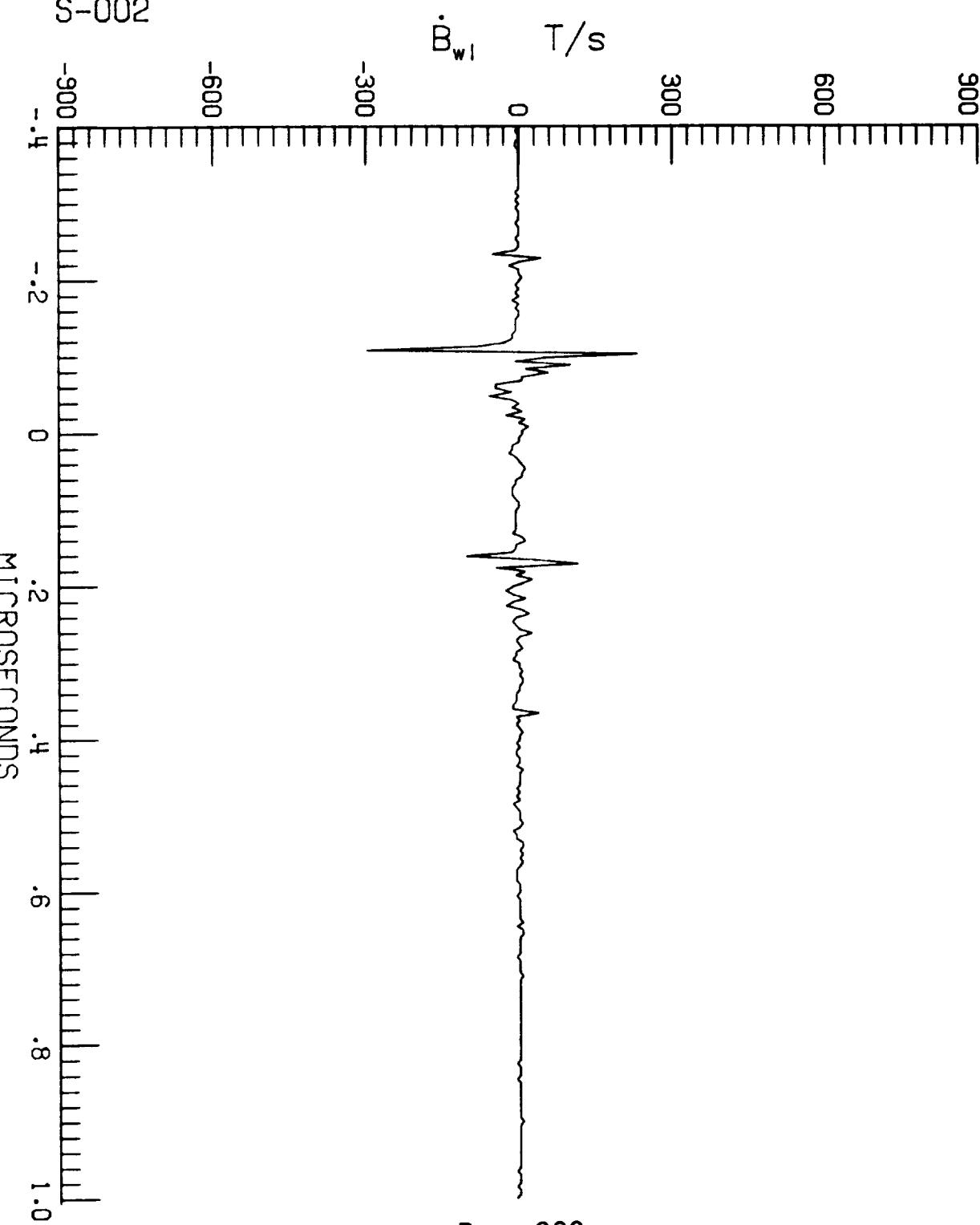


22:19:55.9
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 2

S-002



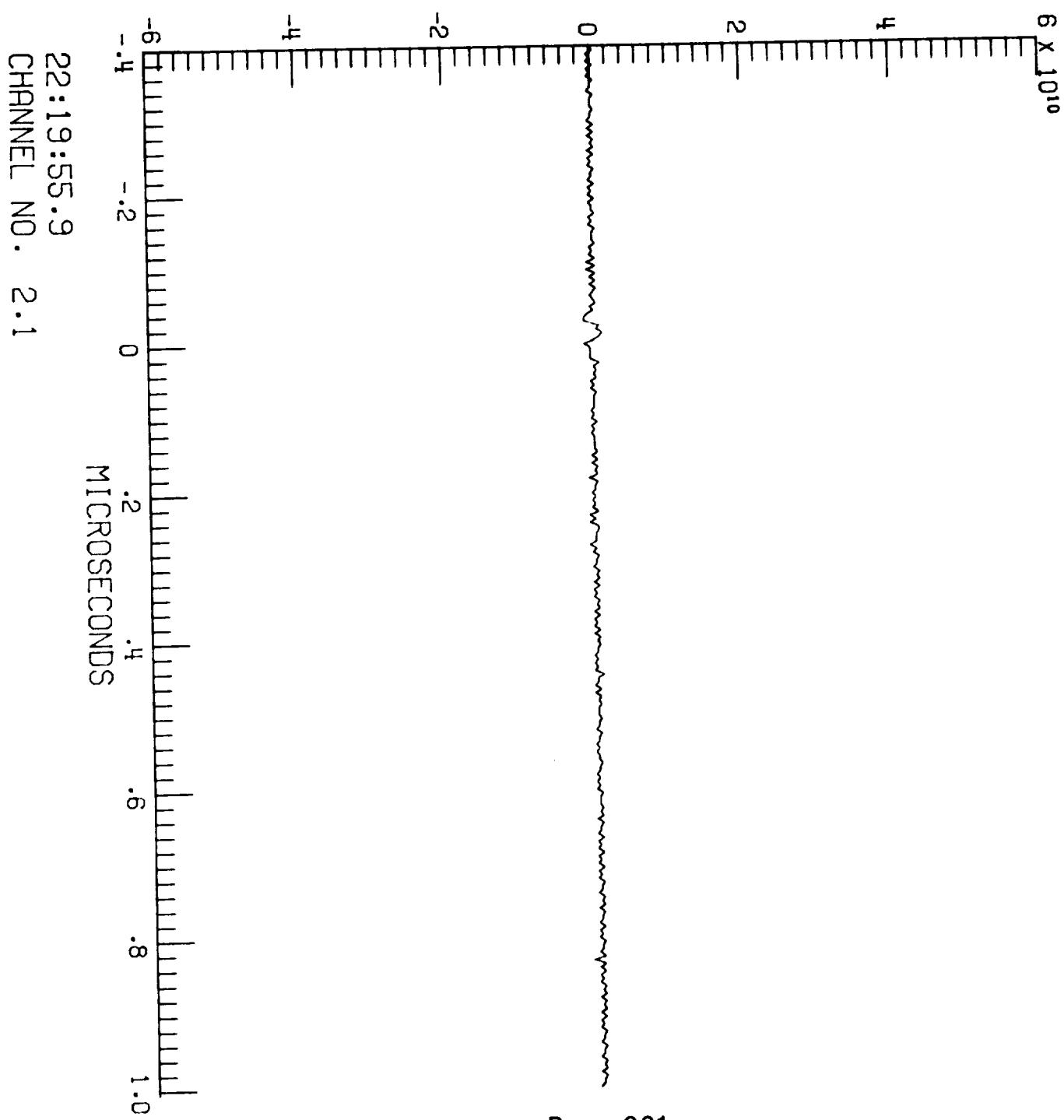
22:19:55.9
CHANNEL NO. 2.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 2

S-002

\dot{I} A/s



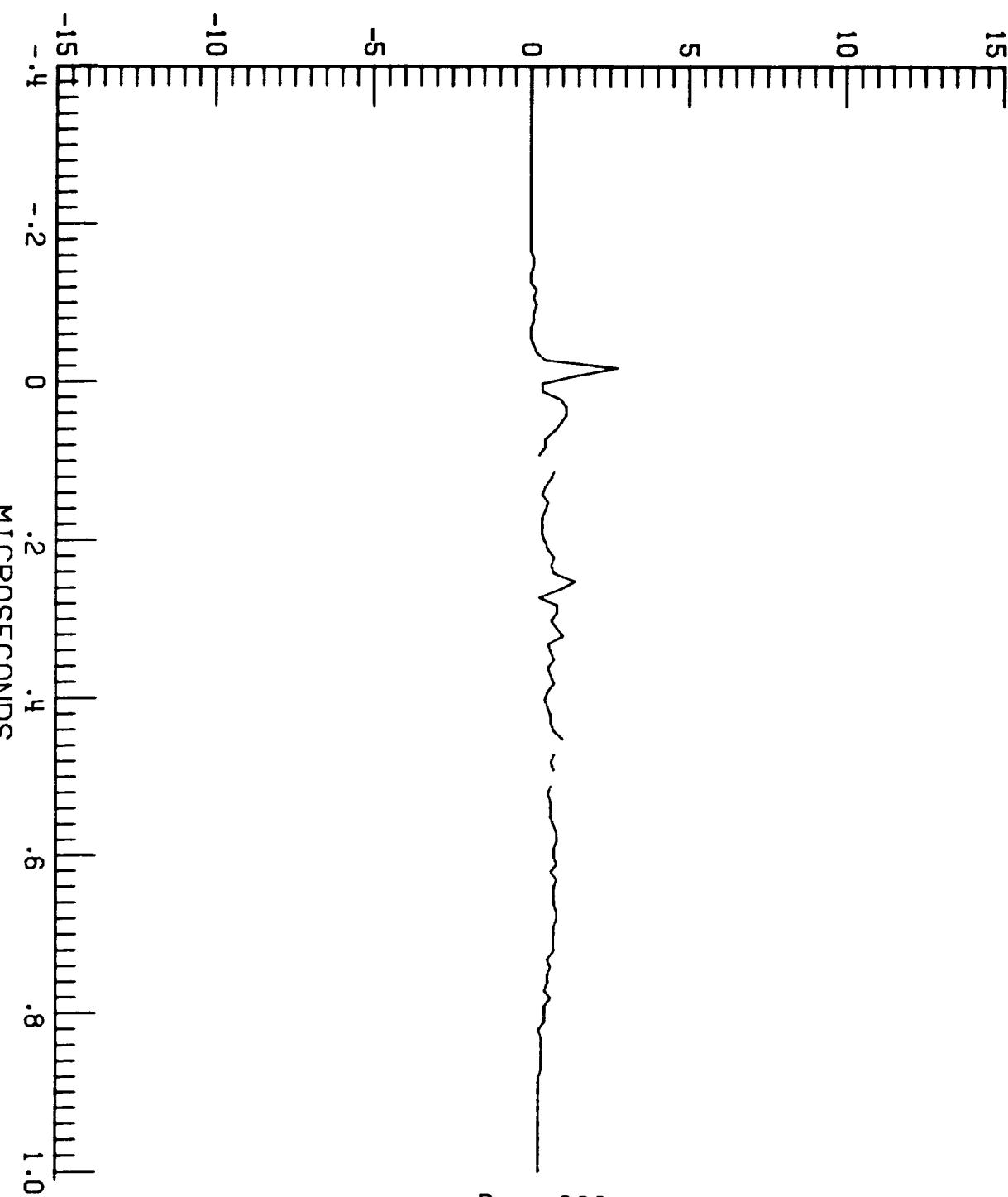
22:19:55.9
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_{wr} A/m²

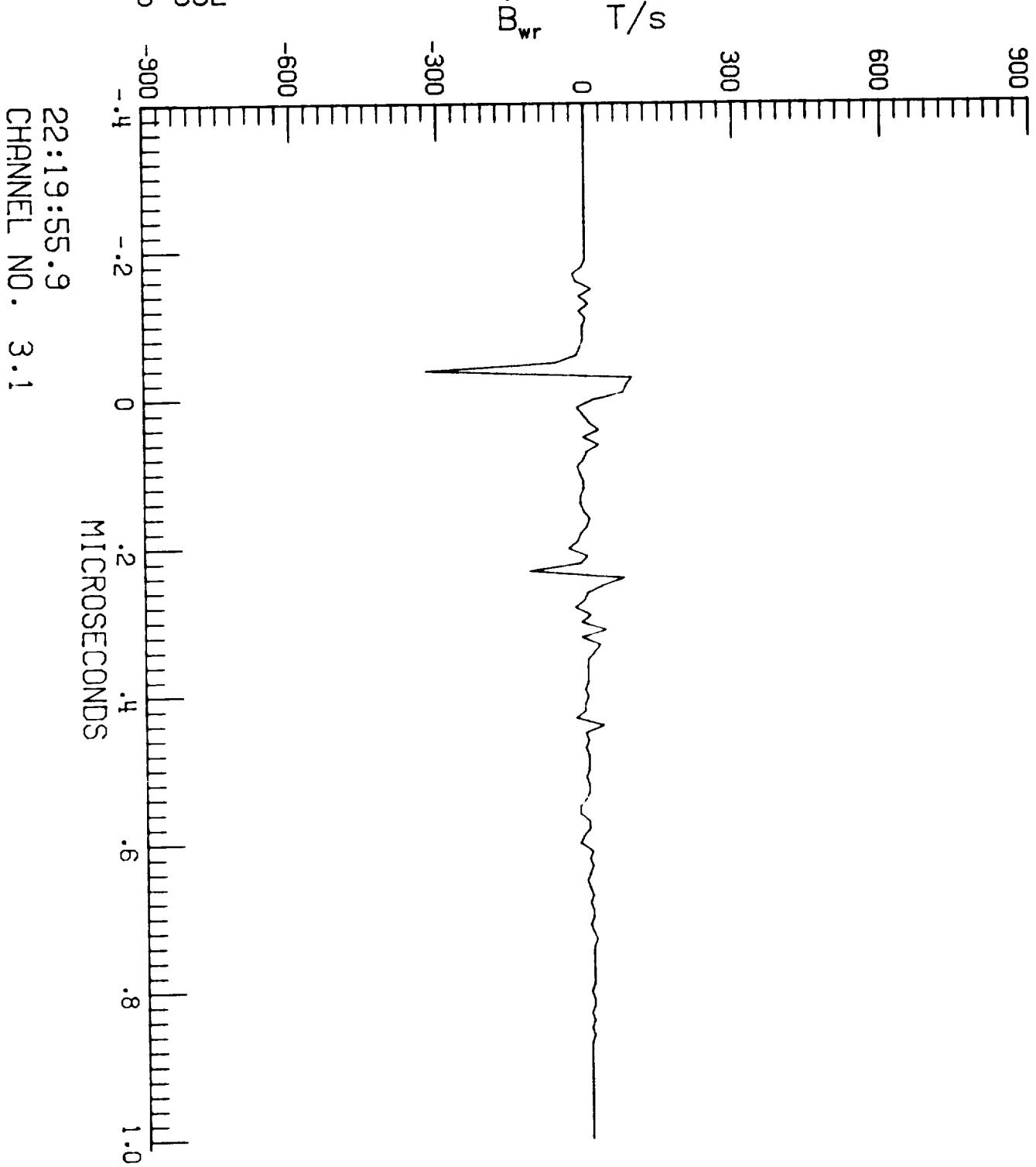


22:19:55.9
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 2

S-002



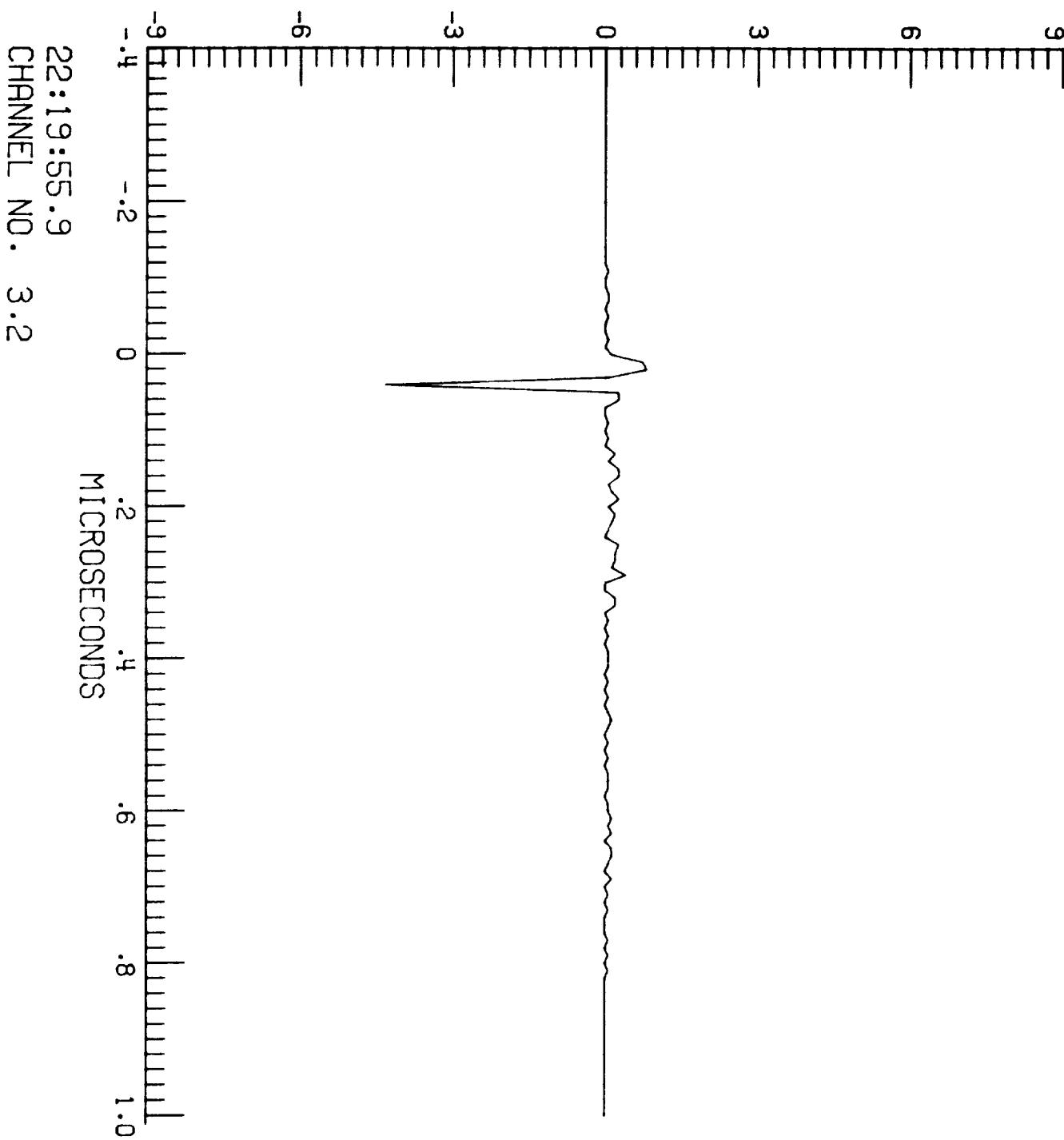
22:19:55.9
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_f A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP101

V

21

14

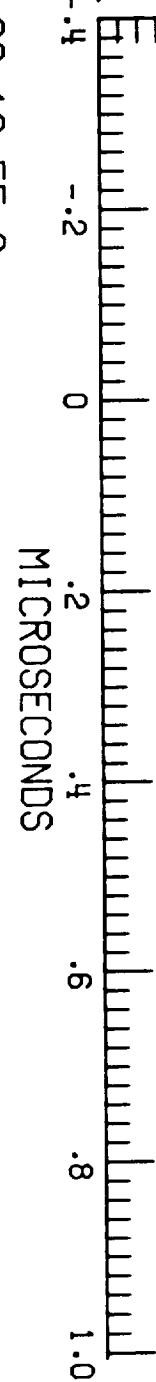
7

0

-7

-14

-21



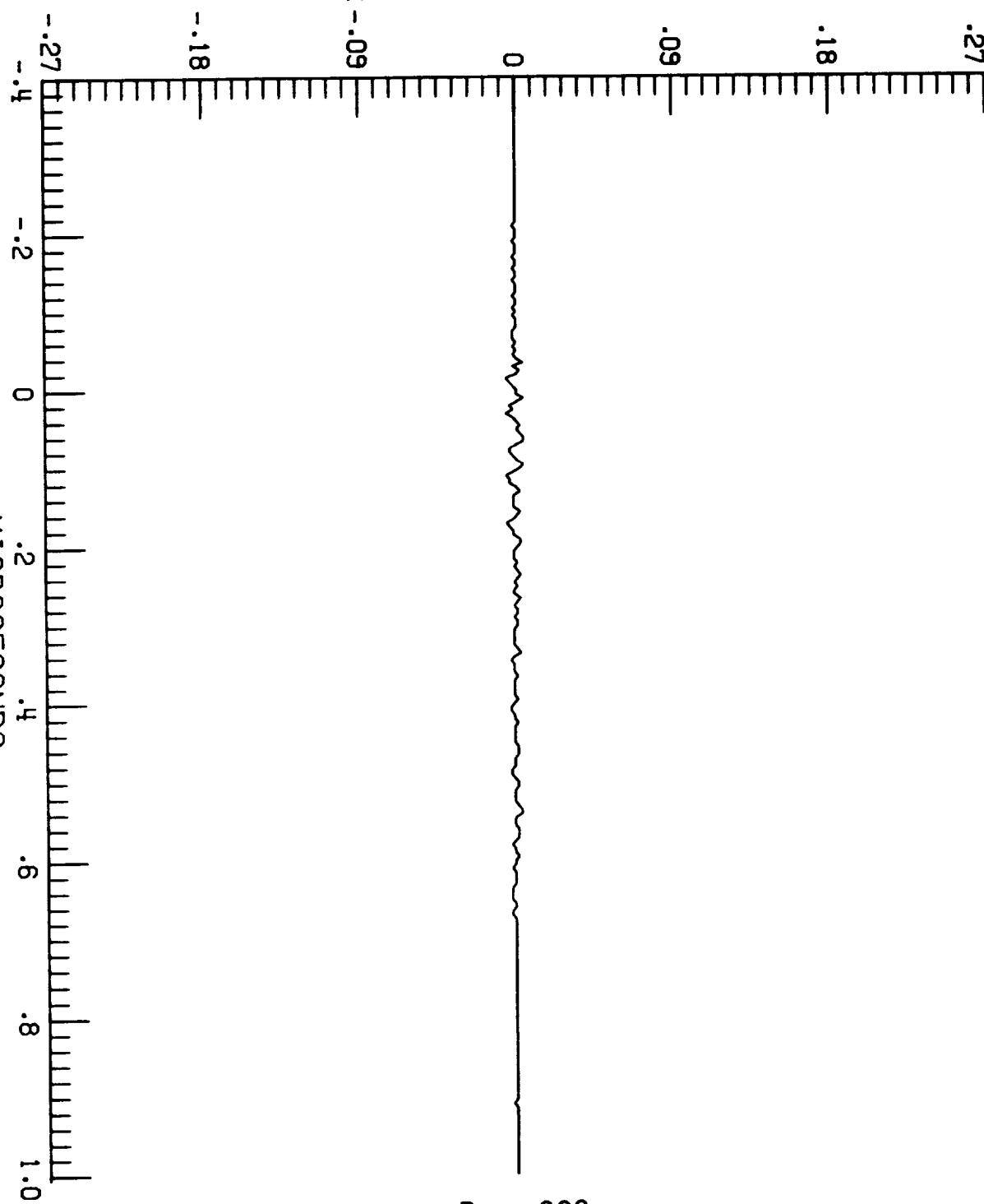
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP116

A



22:19:55.9
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP112

A

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.09

0

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-.4

0

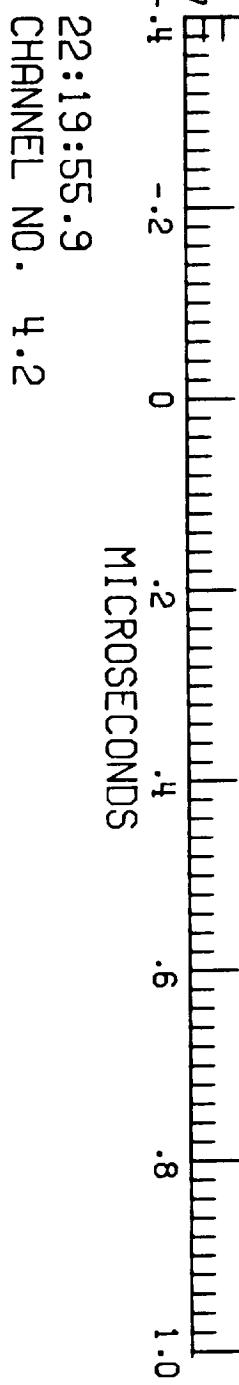
.2

.4

.6

.8

1.0



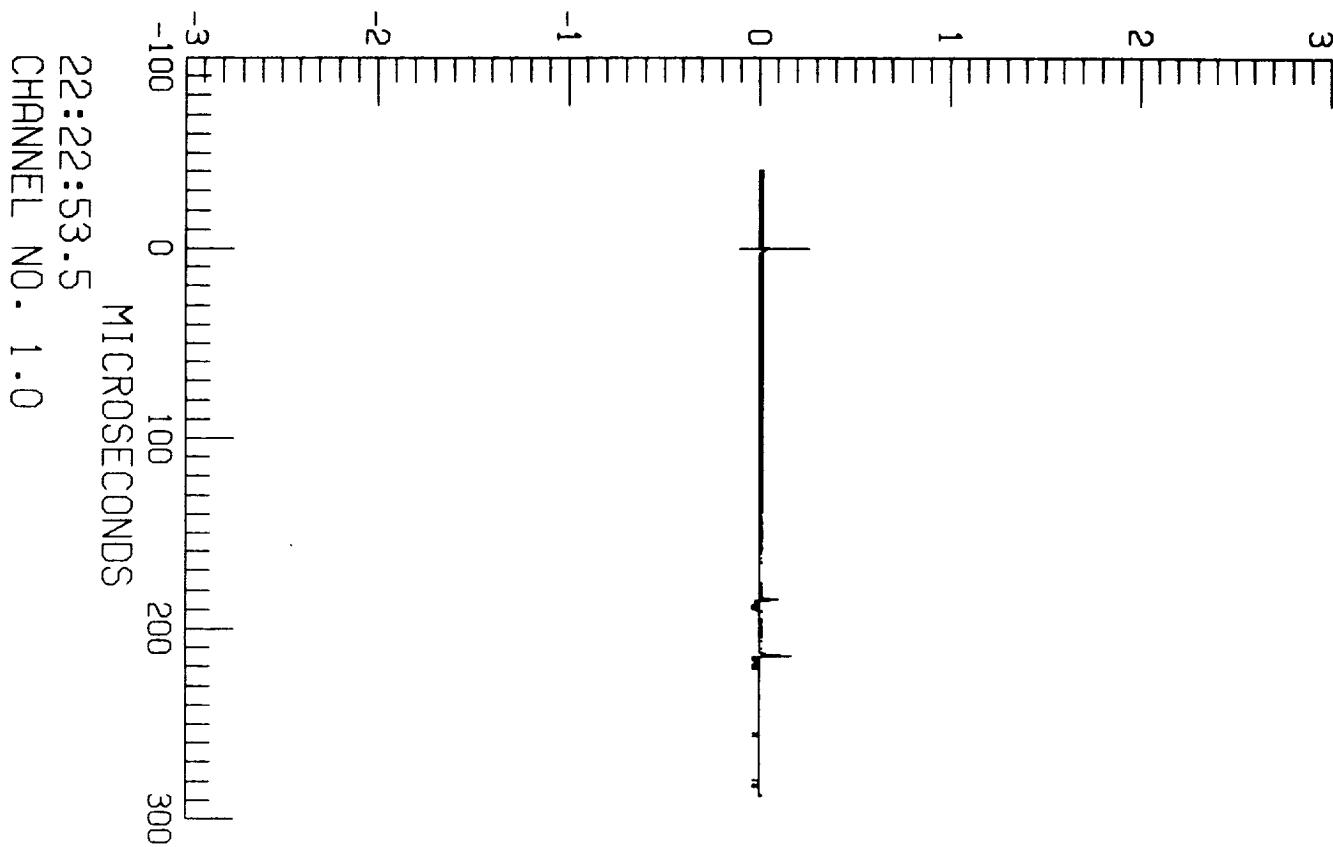
22:19:55.9
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

\dot{D}_t A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

I_t A

1.3

2.6

-1.3

-2.6

-100

0

100

200

300

MICROSECONDS

3.9×10^4

22:22:53.5
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

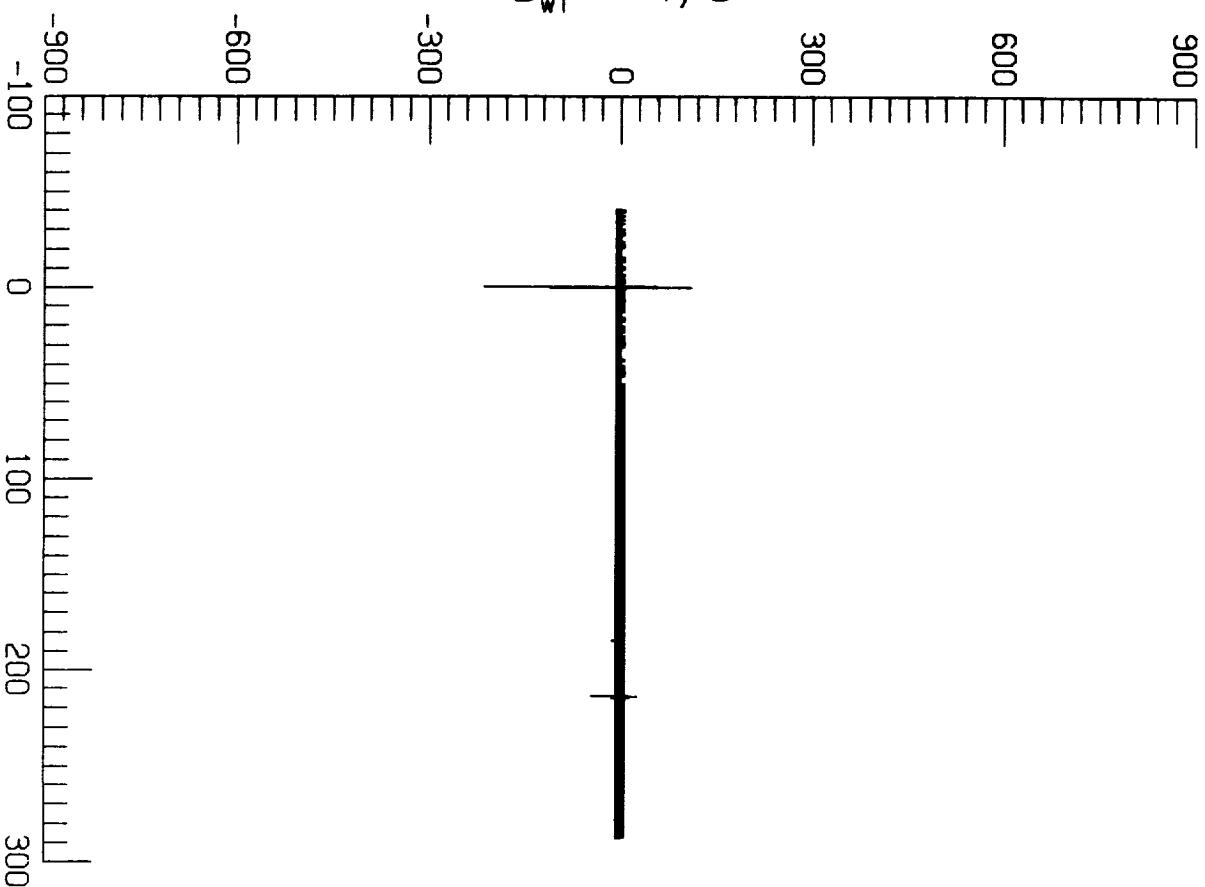
LEC 2

RUN NO. 3

S-003

\dot{B}_{w1}

T/s



22:22:53.5
CHANNEL NO. 2.0

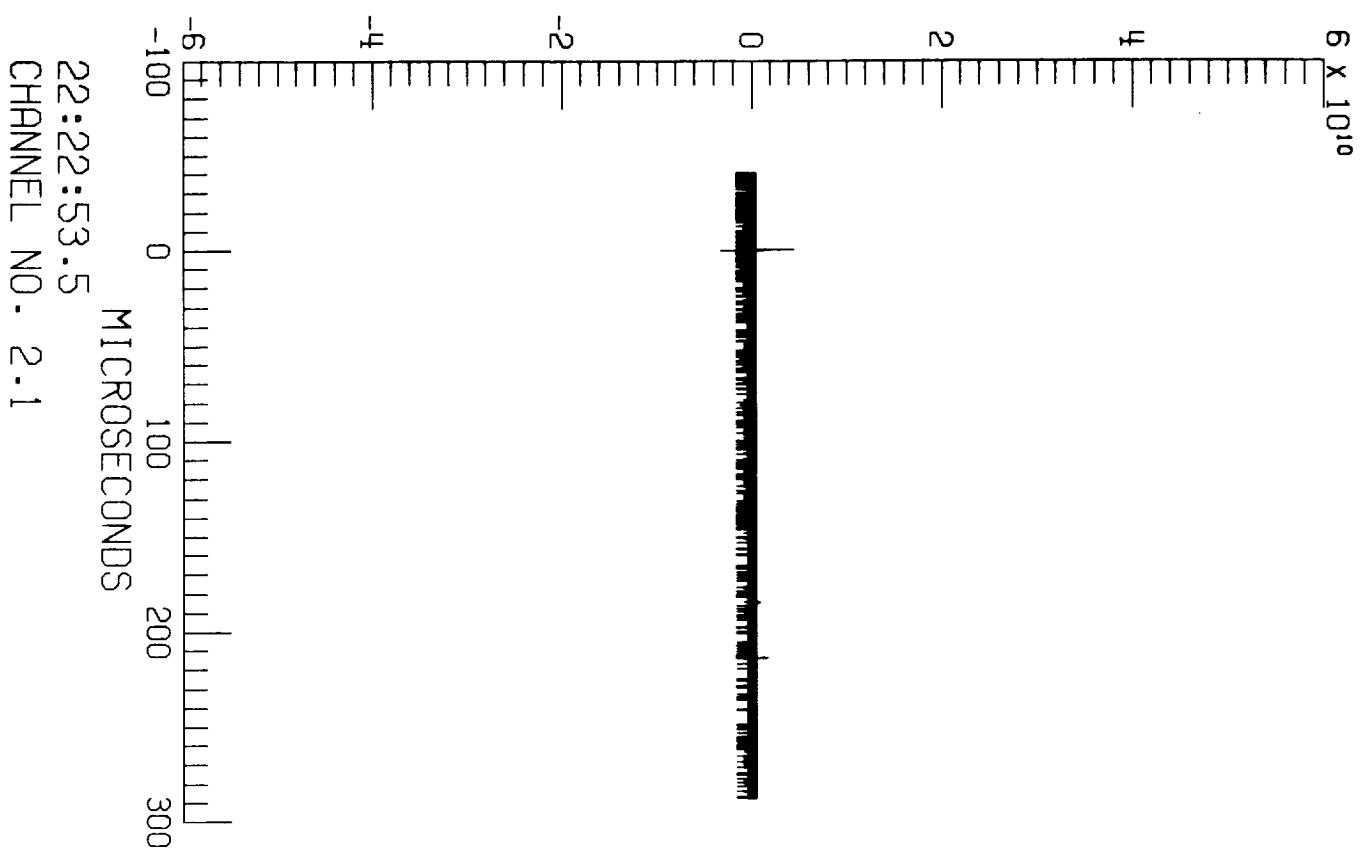
F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\dot{I} A/s

6 $\times 10^{10}$



22:22:53.5
CHANNEL NO. 2.1

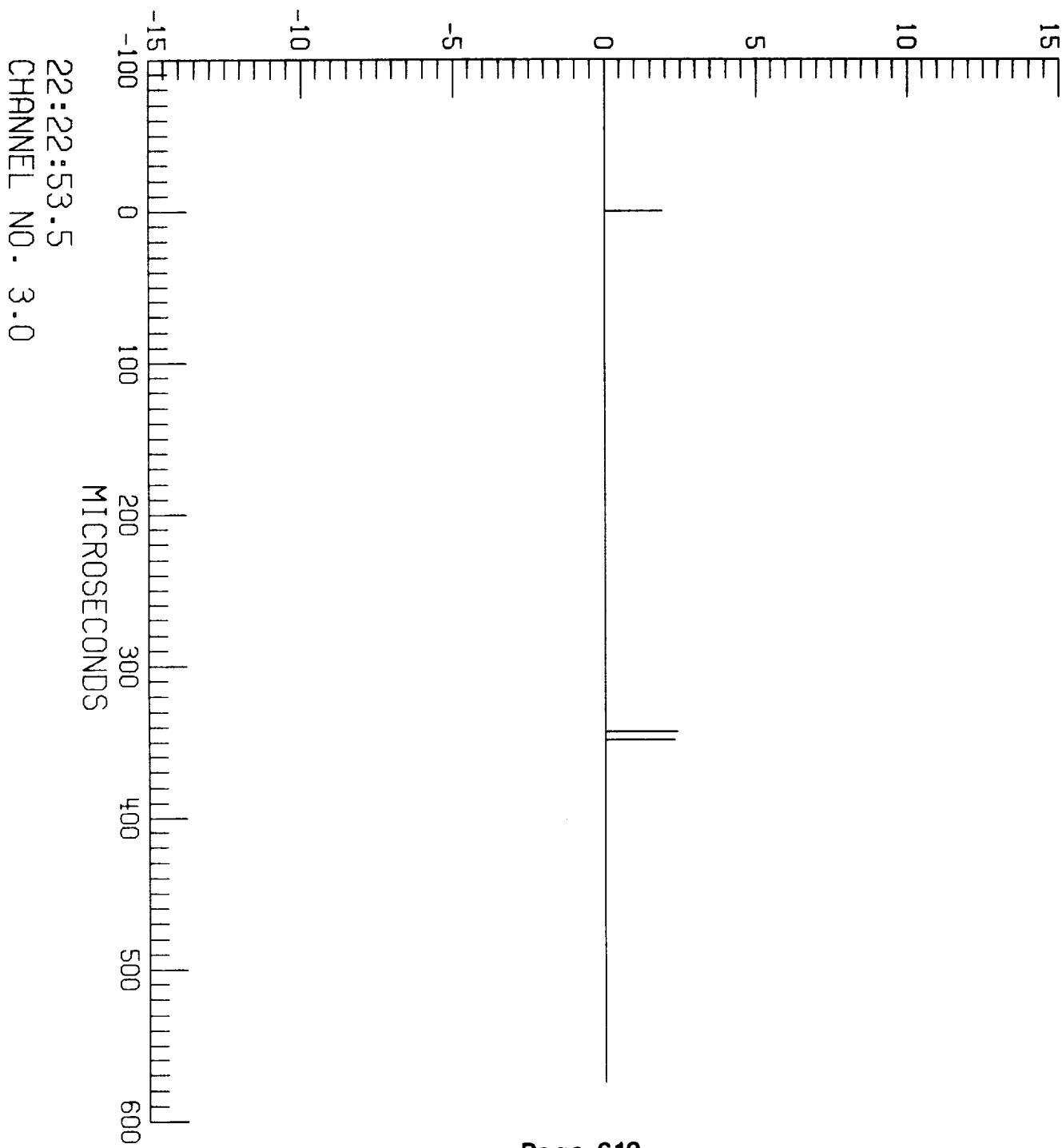
F106 LIGHTNING/85-033/ZAEPFEL

LEC 3

RUN NO. 3

S-003

\dot{D}_{wr} A/m²

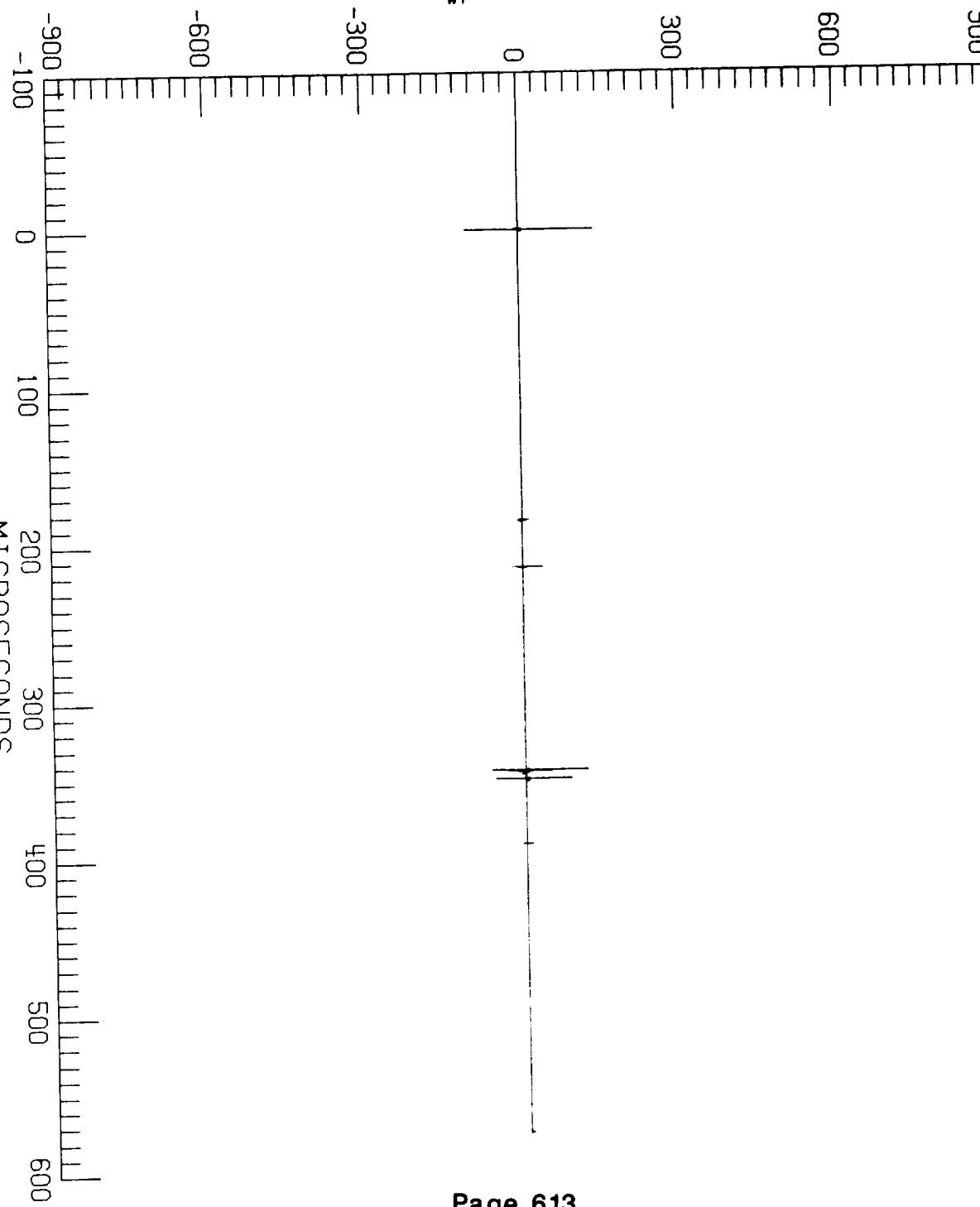


F106 LIGHTNING/85-033/ZAEPFEL

LEC 3

RUN NO. 3

S-003



22:22:53.5
CHANNEL NO. 3.1

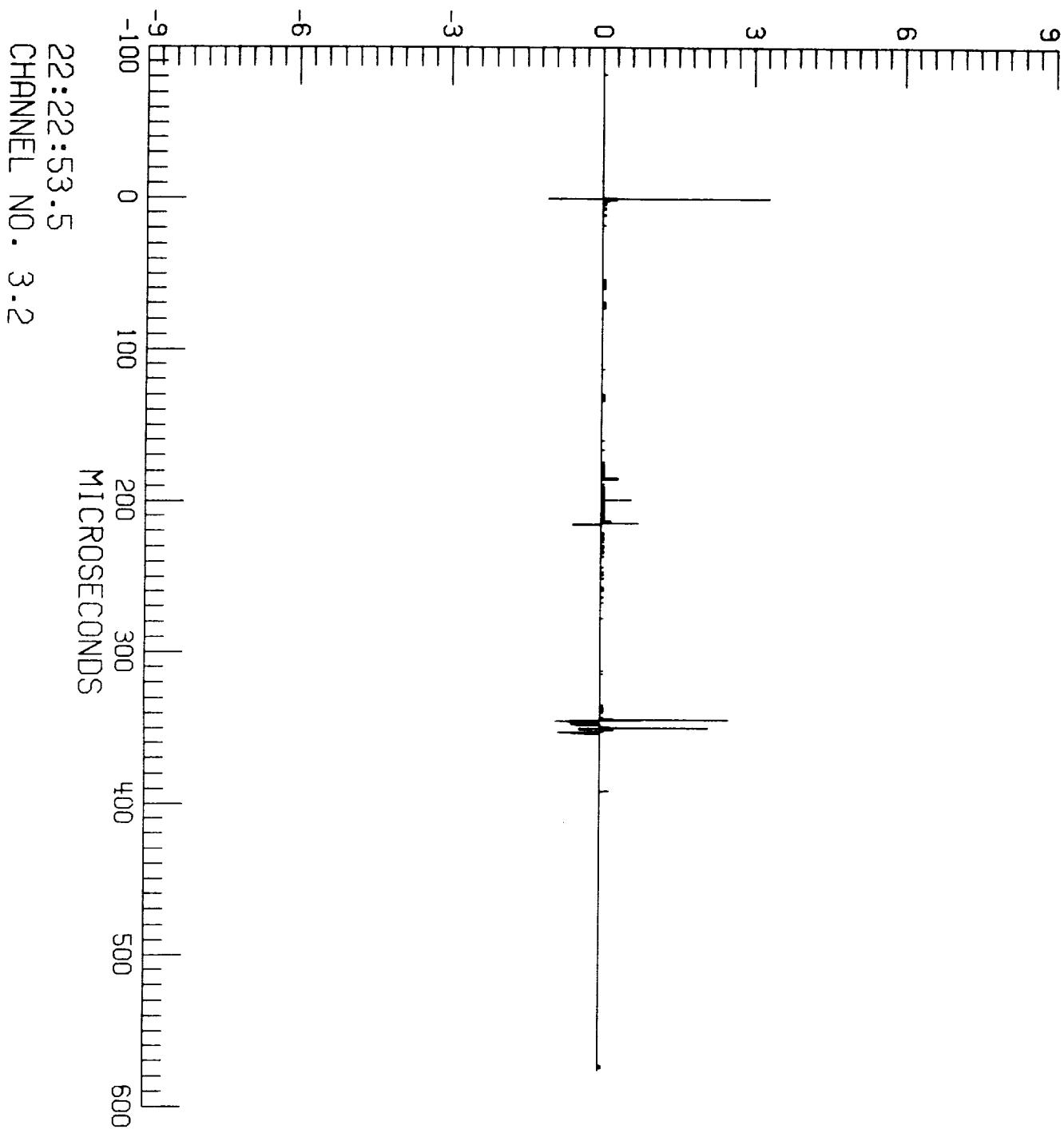
F106 LIGHTNING/85-033/ZAEPFEL

LEC 3

RUN NO. 3

S-003

D_f A/m²



22:22:53.5
CHANNEL NO. 3.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101

V

21

14

7

0

-7

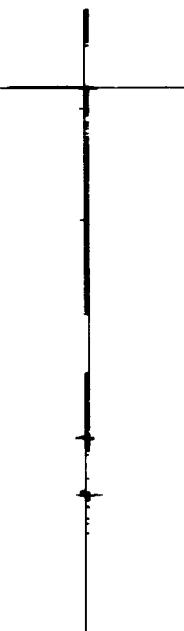
-14

-21
-100

0
100
200
MICROSECONDS

100
200
300

22:22:53.5
CHANNEL NO. 4.0



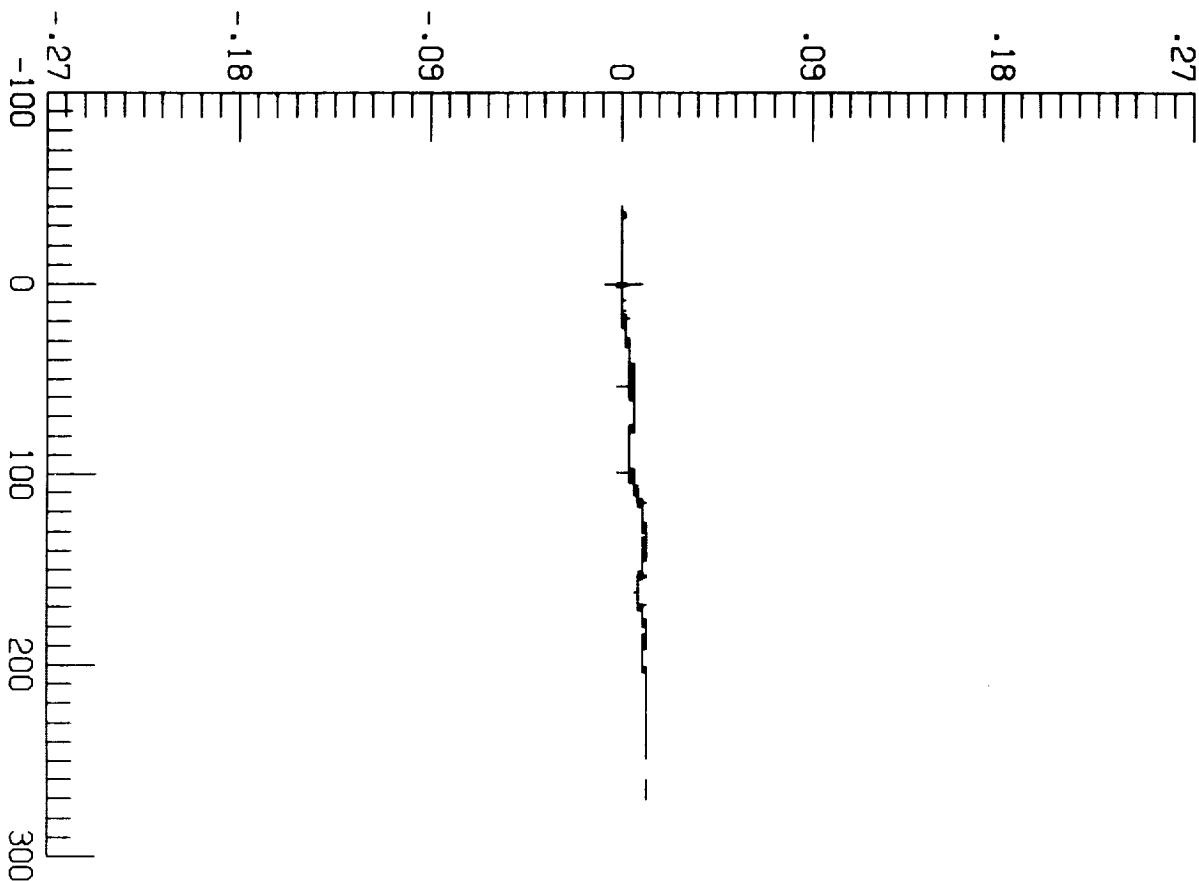
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4

RUN NO. 3

S-003

TP116 A



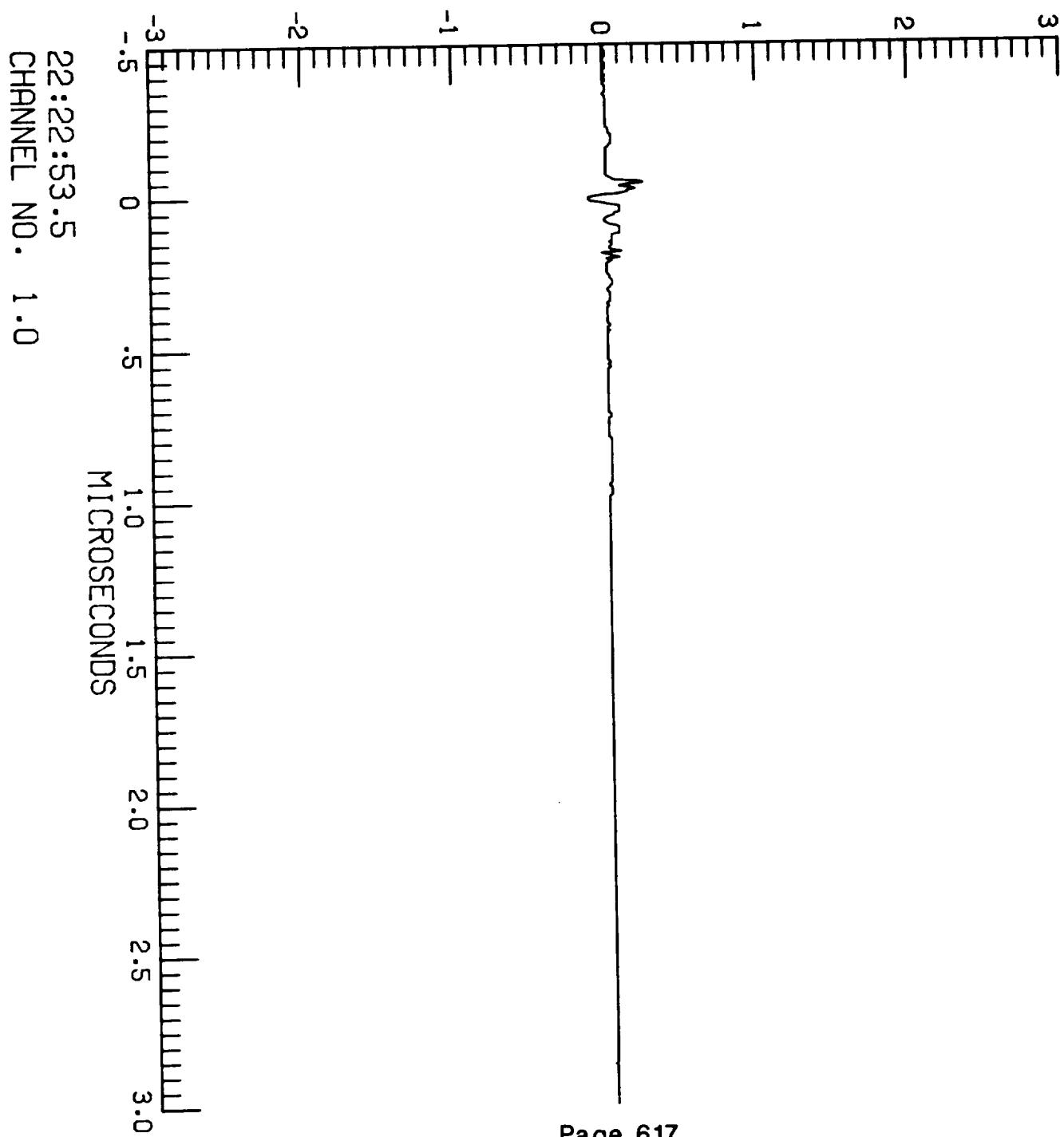
22:22:53.5
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

\dot{D}_t A/m²

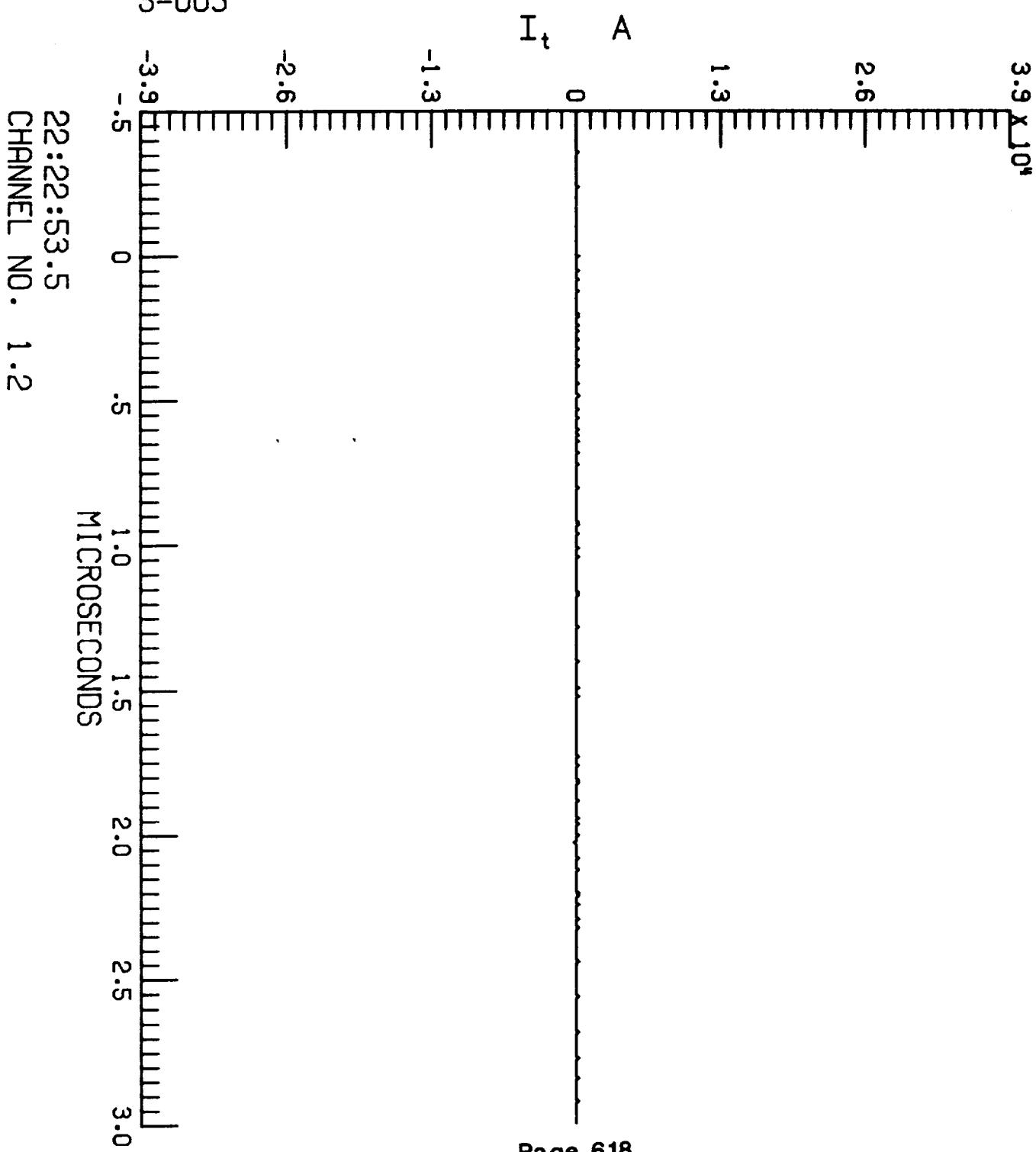


22:22:53.5
CHANNEL NO. 1.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

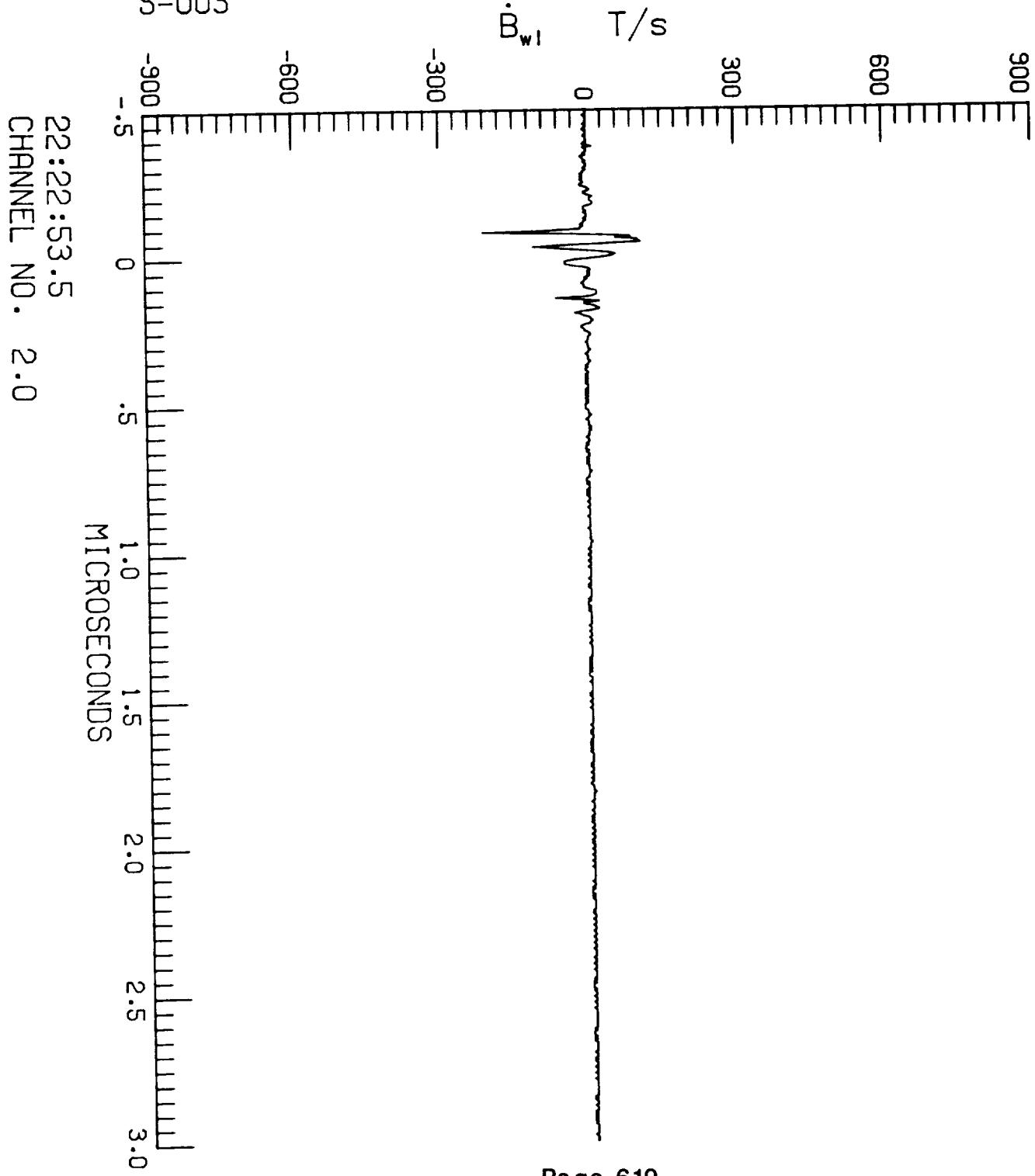
S-003



F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003



22:22:53.5
CHANNEL NO. 2.0

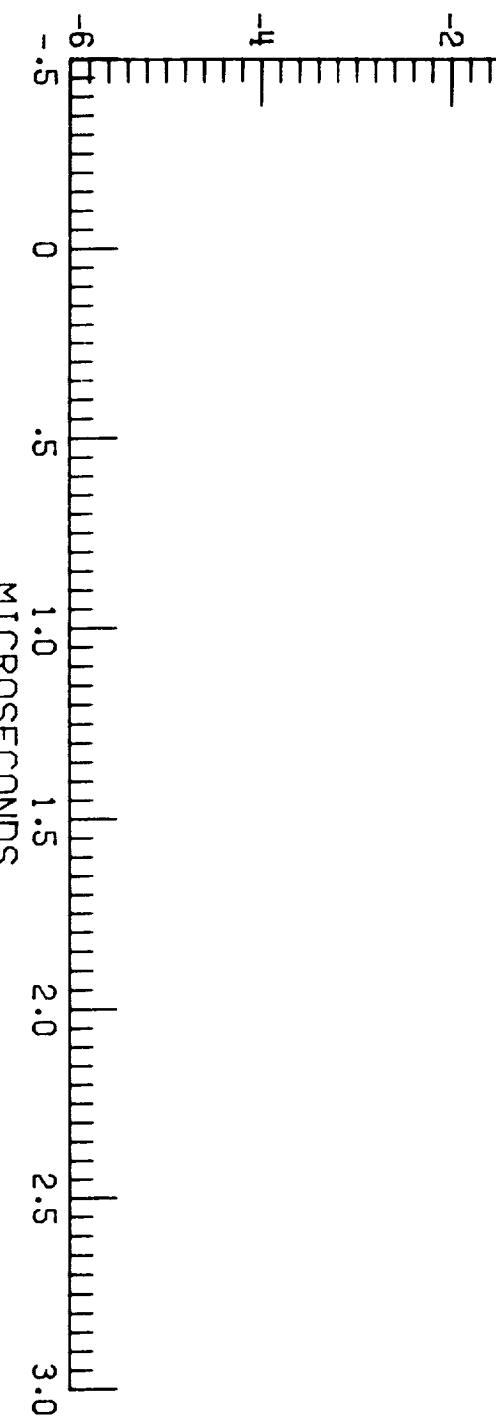
F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\dot{I} A/s

6×10^{10}



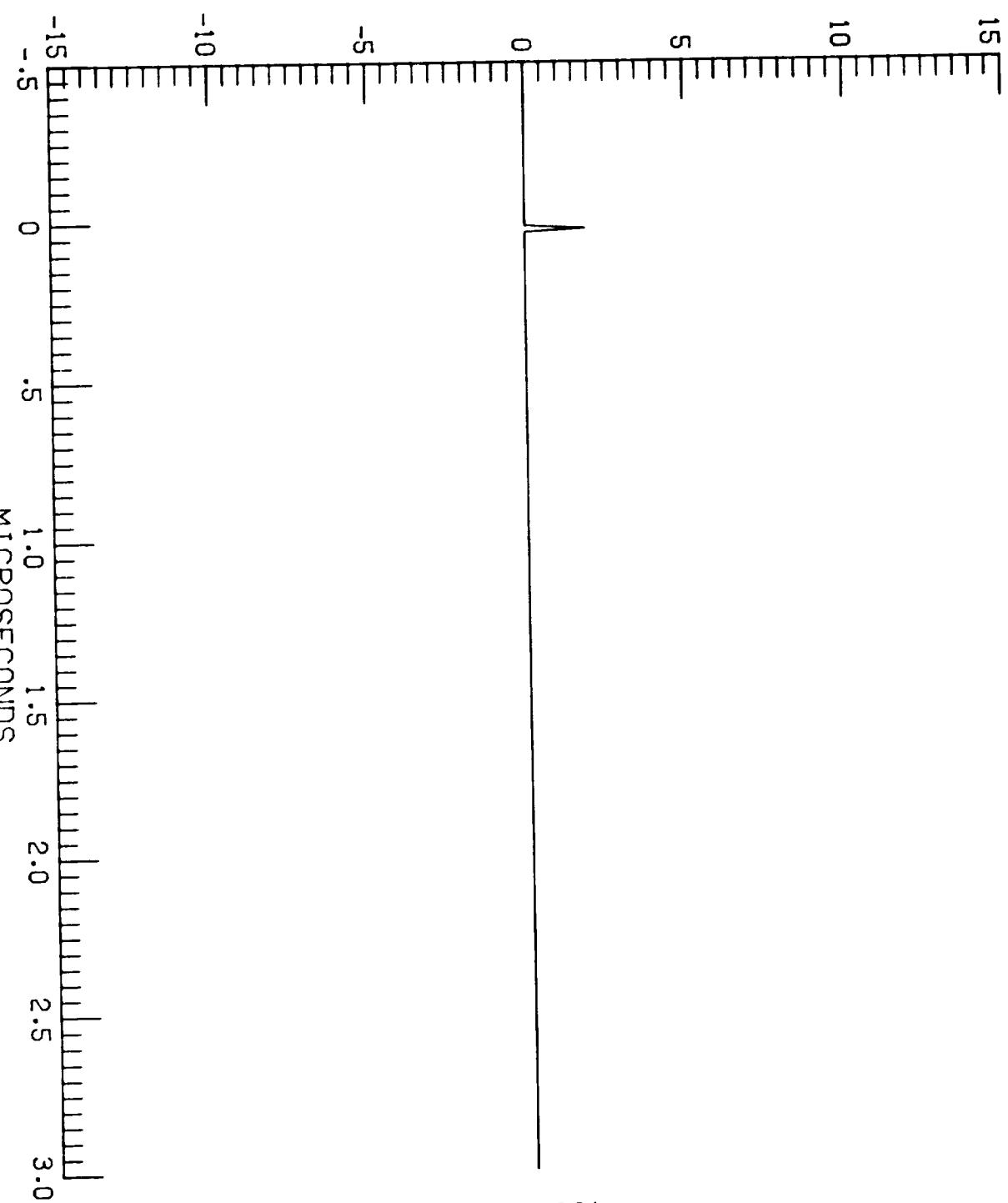
22:22:53.5
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

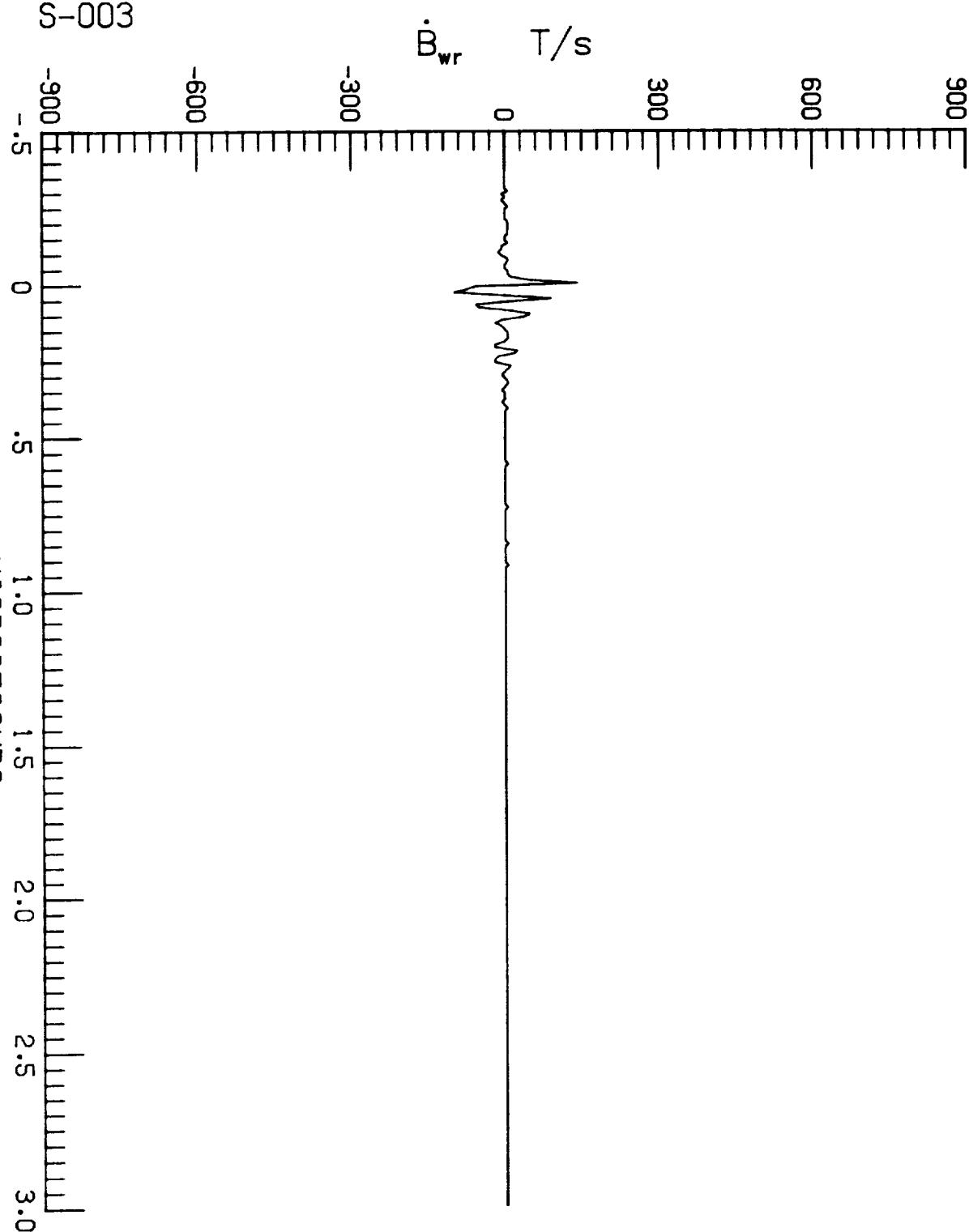


22:22:53.5
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003



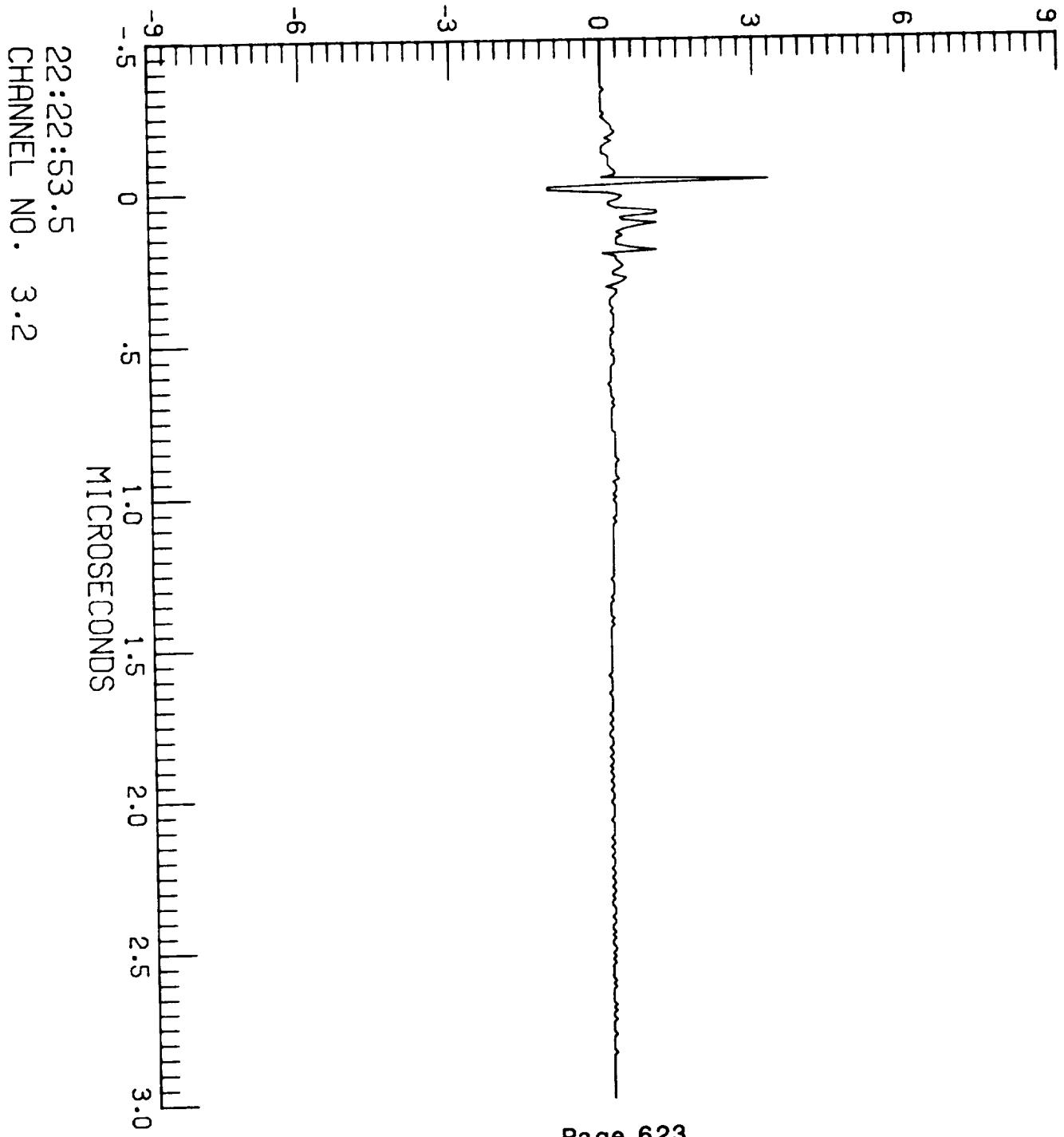
22:22:53.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²



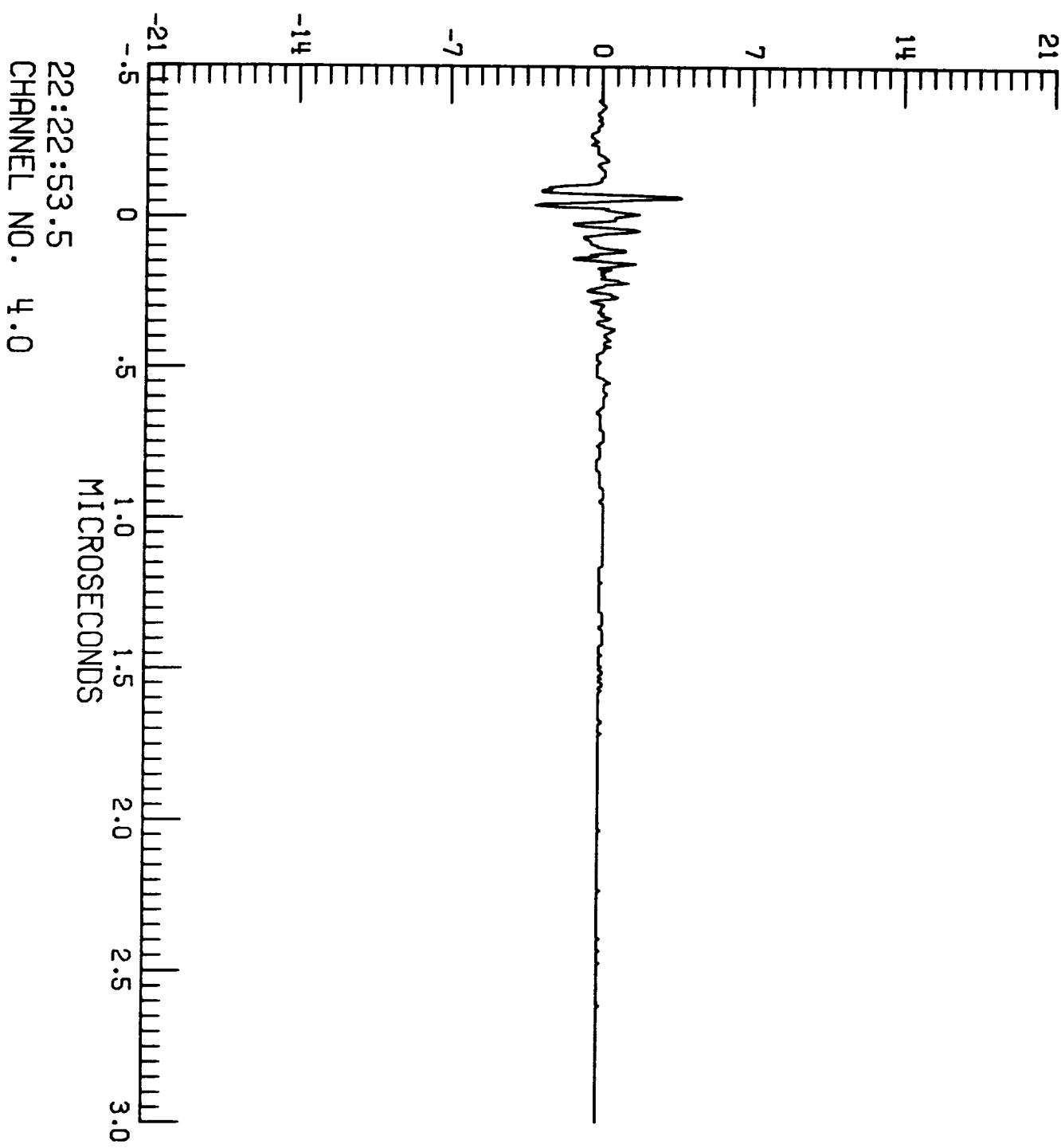
22:22:53.5
CHANNEL NO. 3.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101 V



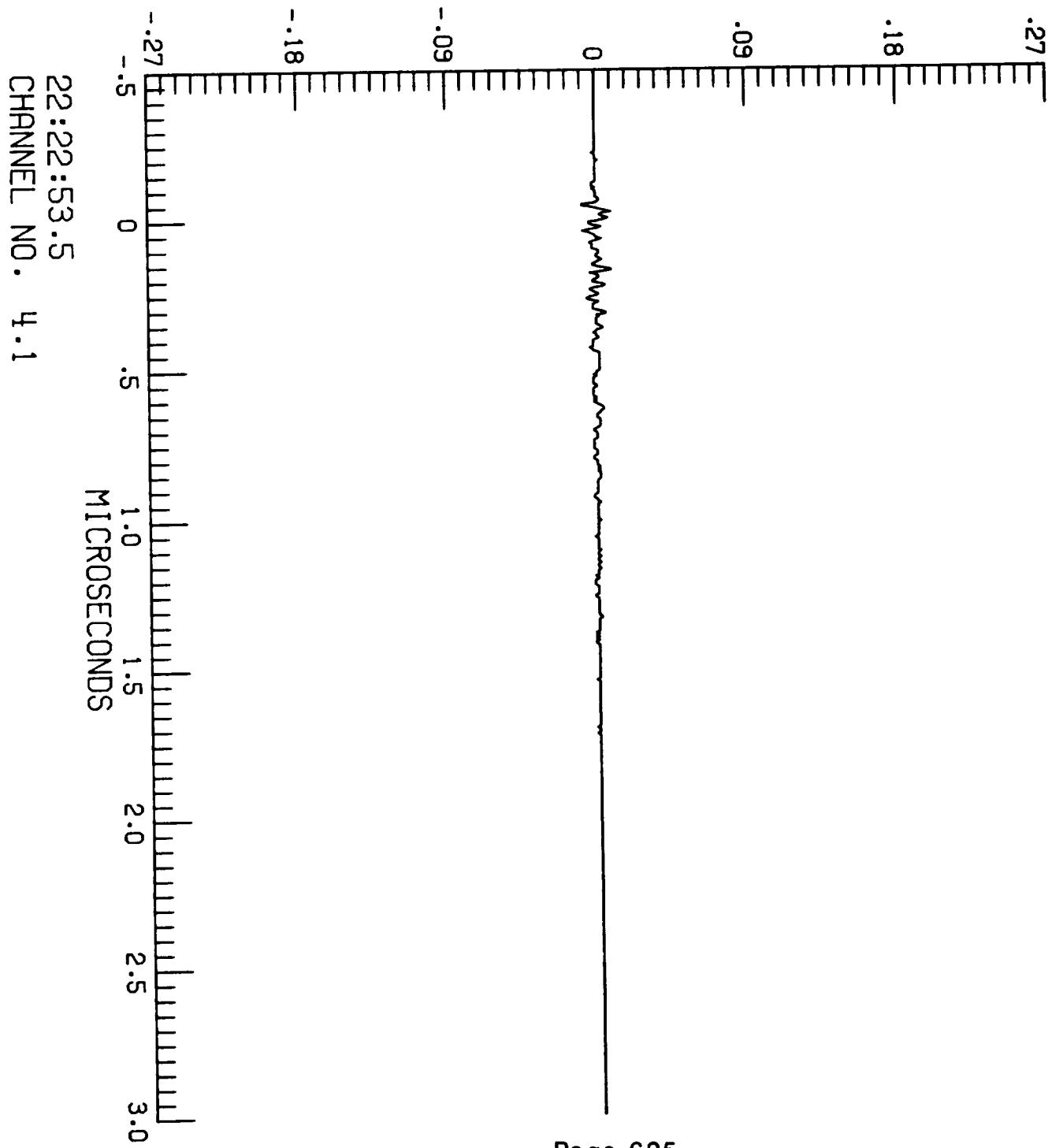
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP116

A

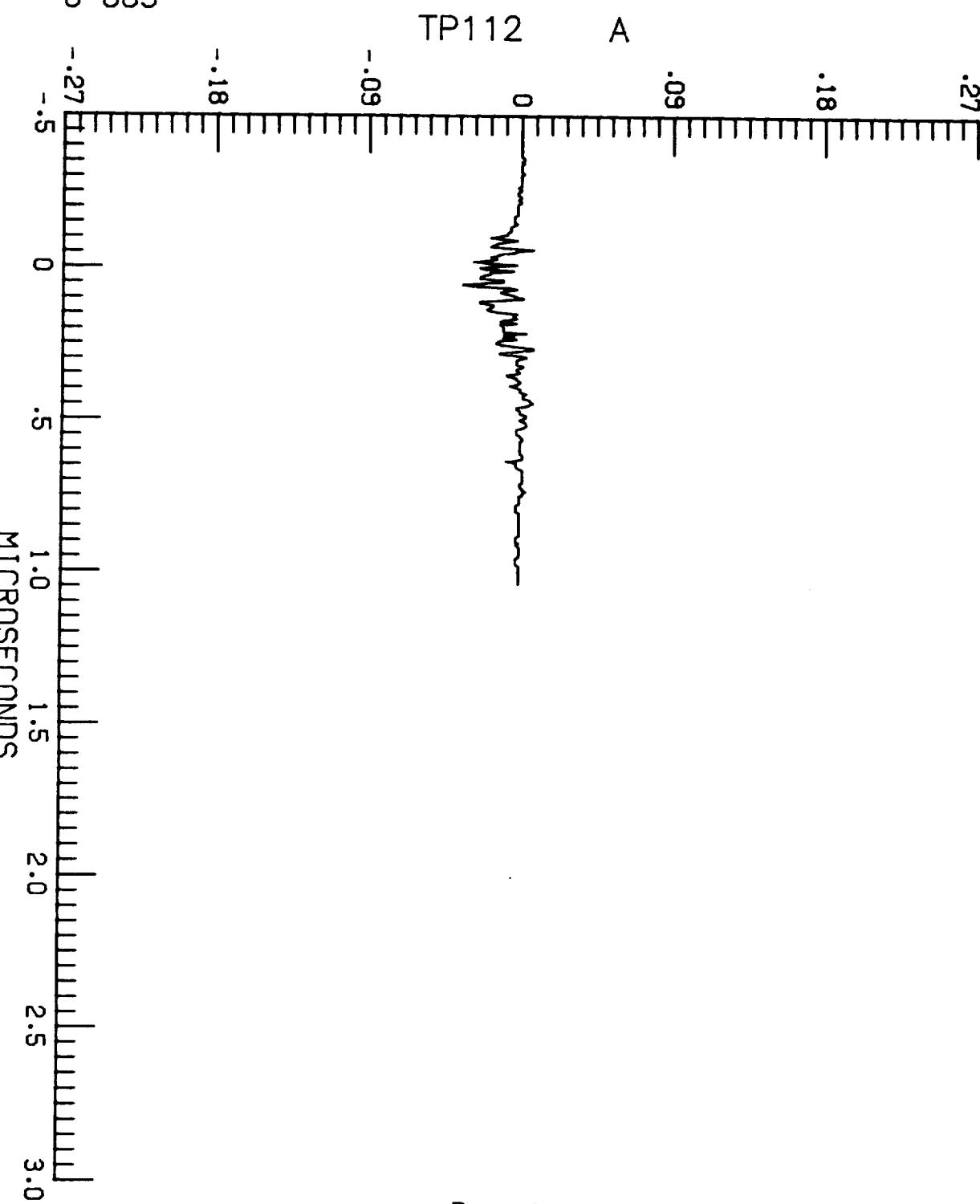


22:22:53.5
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003



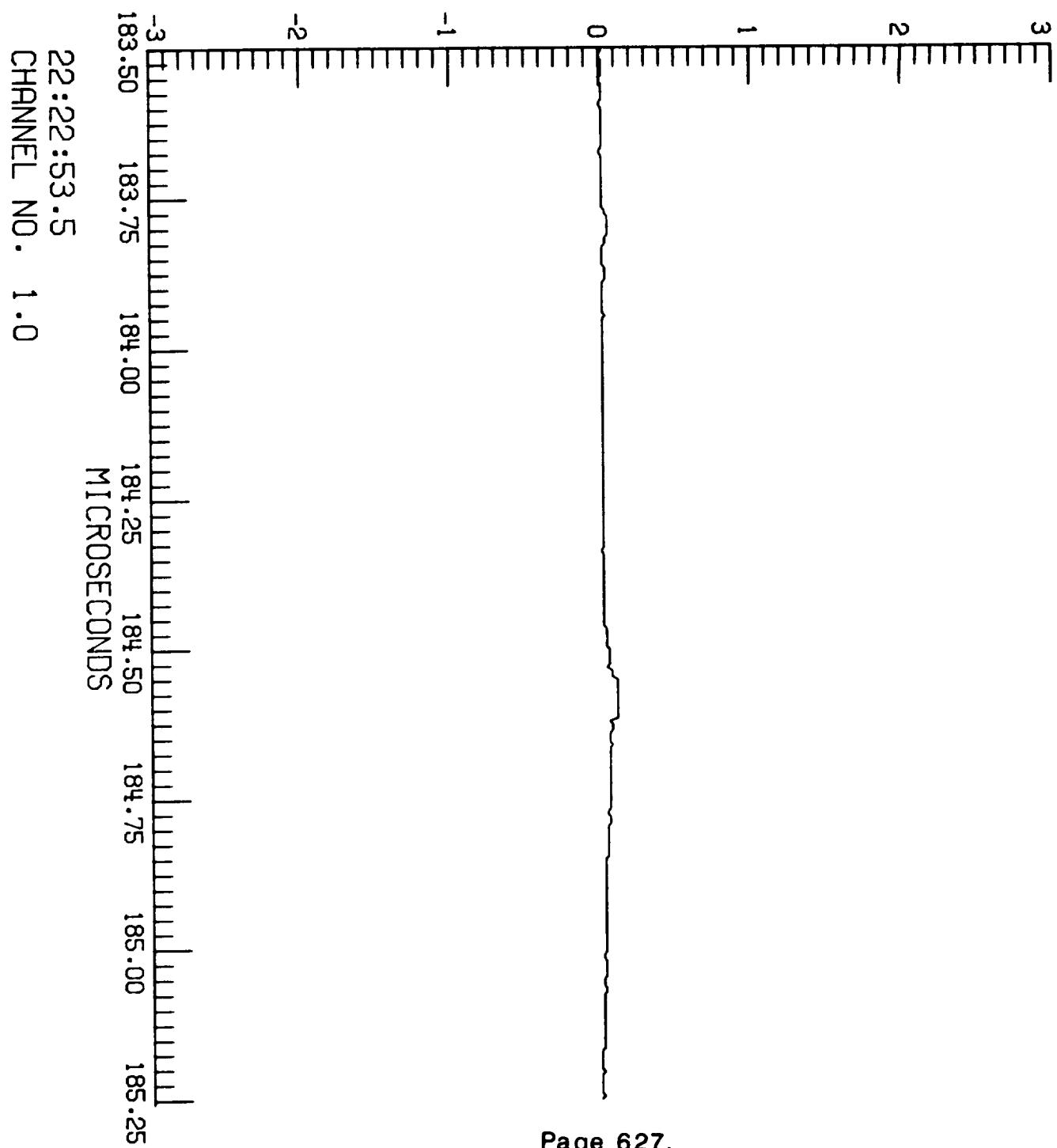
22:22:53.5
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

\dot{D}_t A/m²

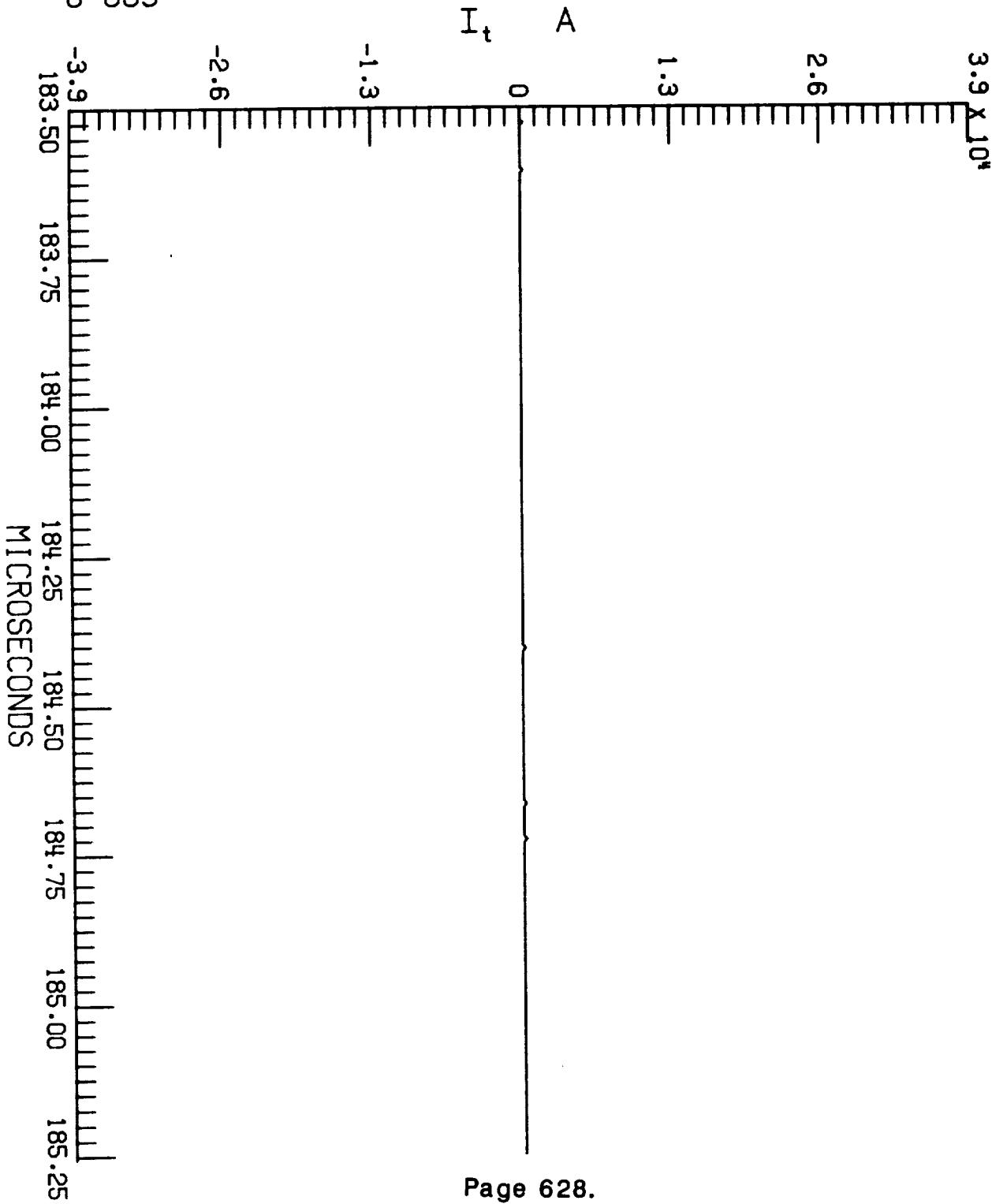


22:22:53.5
CHANNEL NO. 1.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

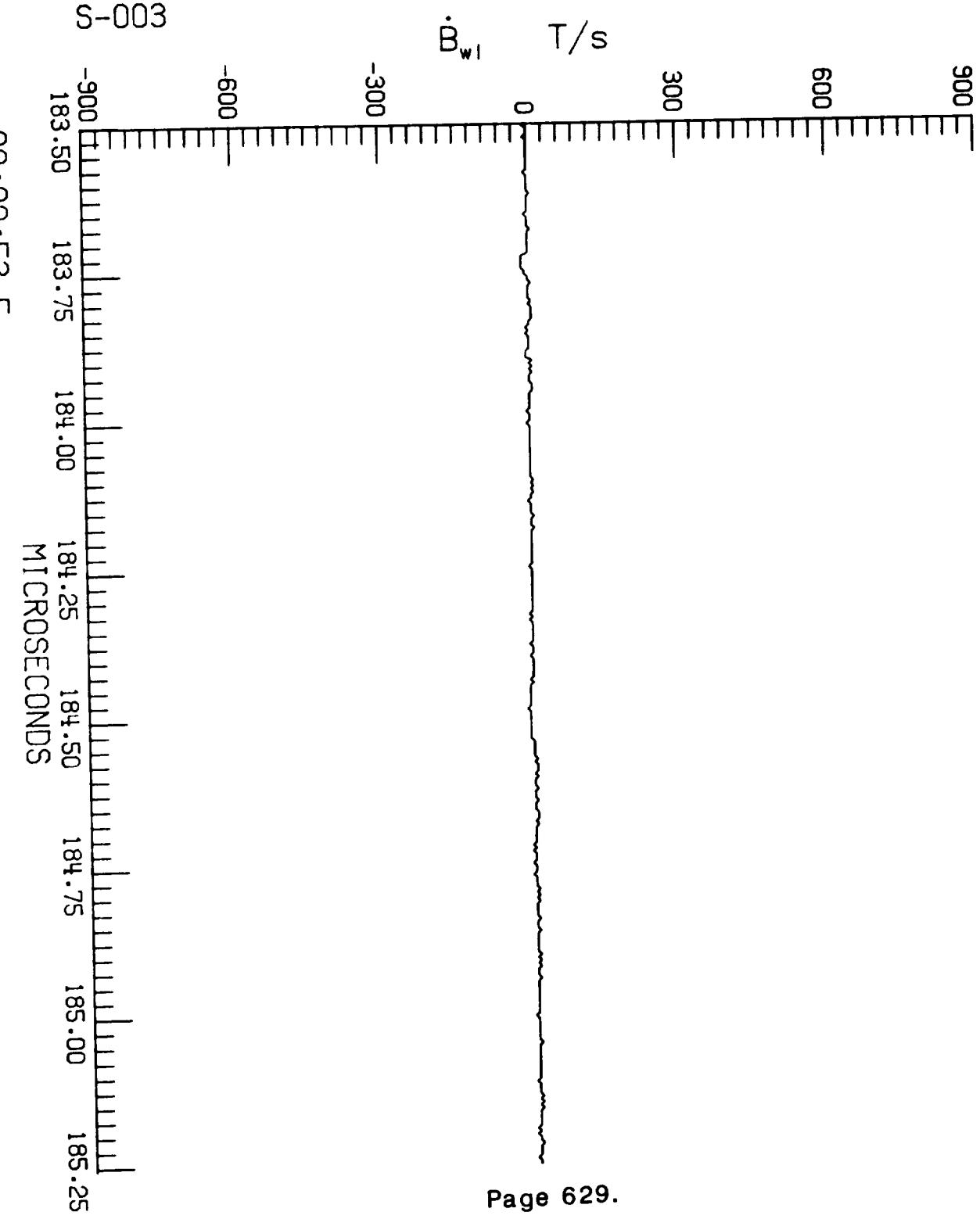


22:22:53.5
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003



22:22:53.5
CHANNEL NO. 2.0

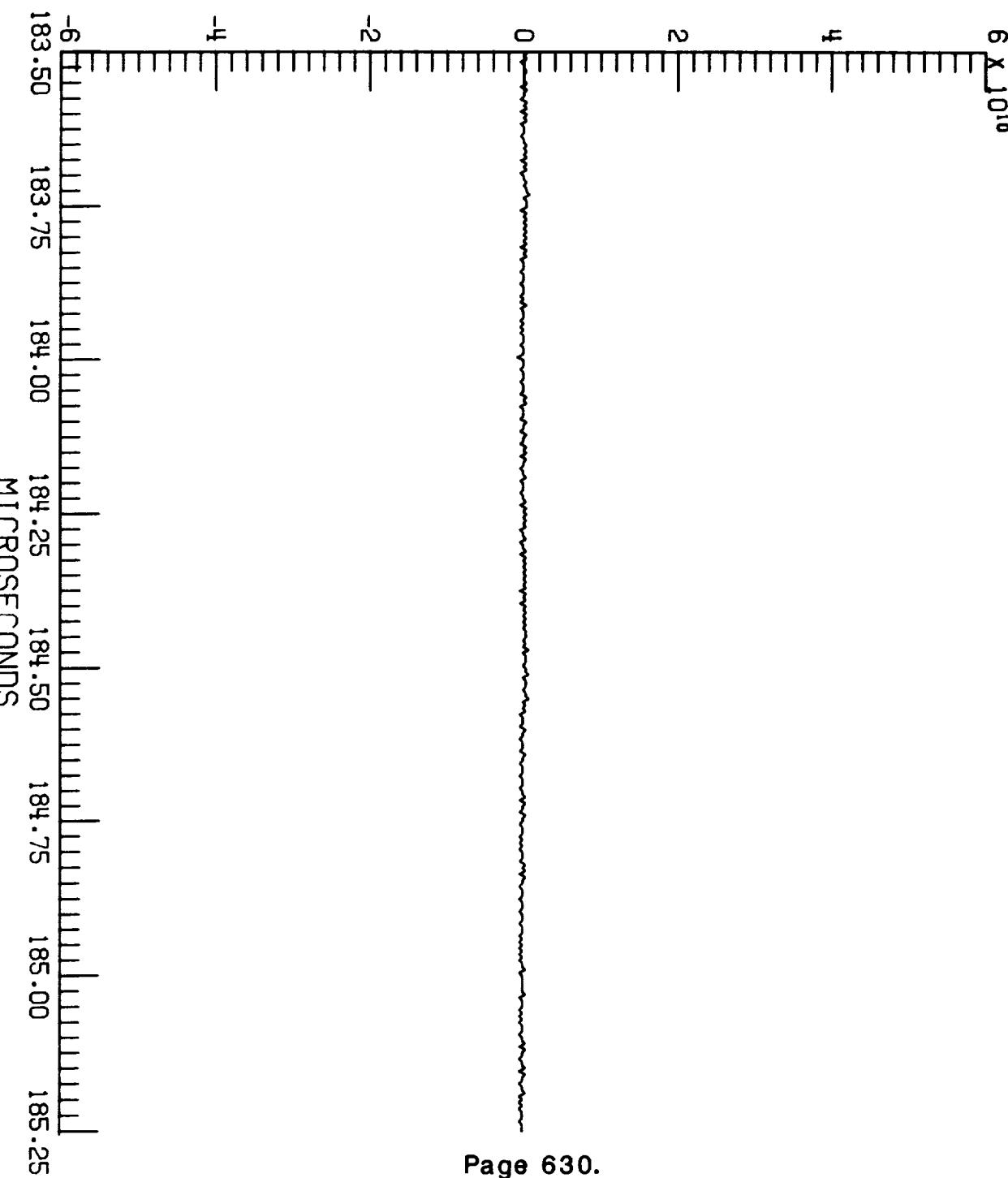
F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\dot{I} A/s

6×10^{10}



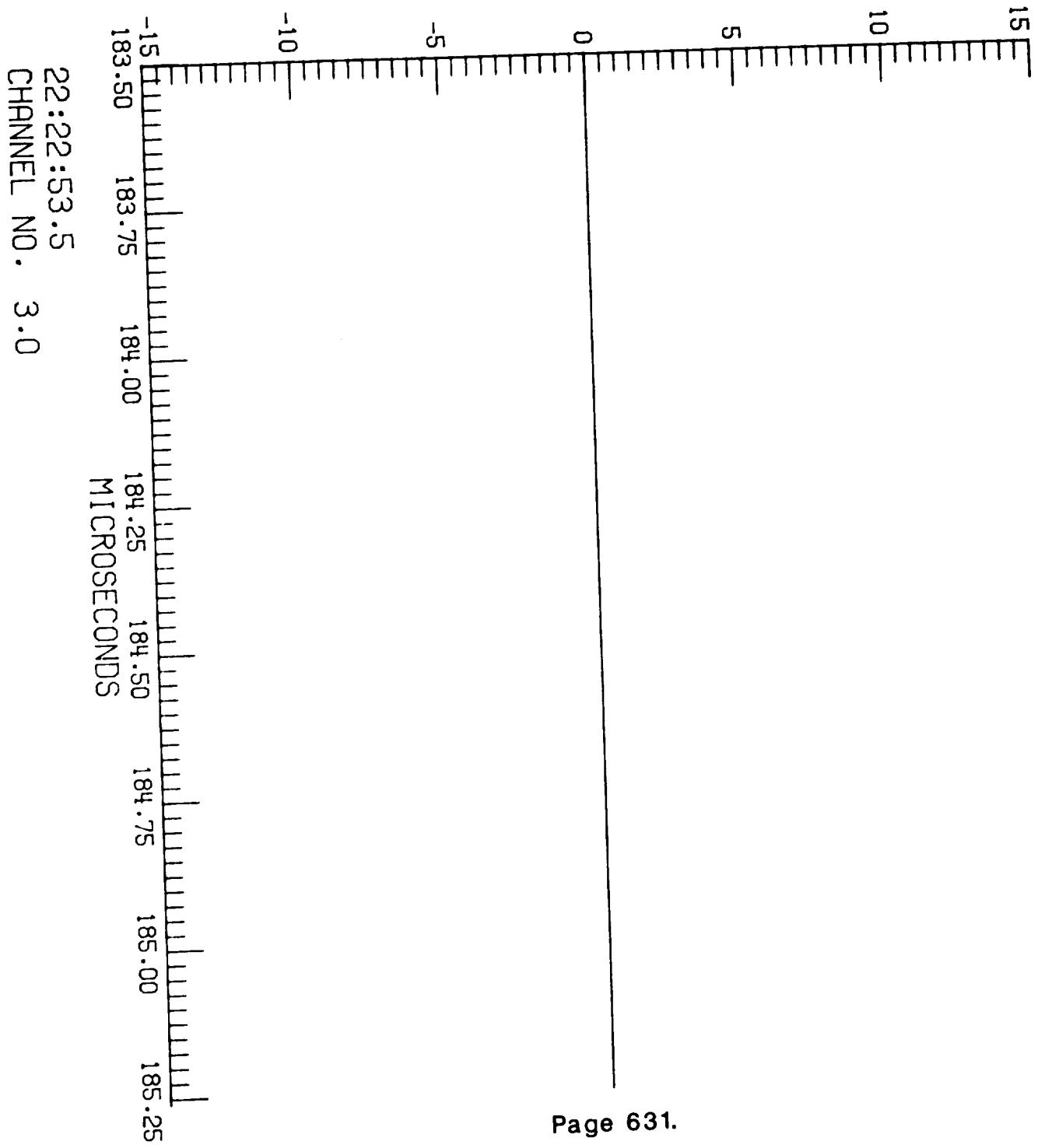
22:22:53..5
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

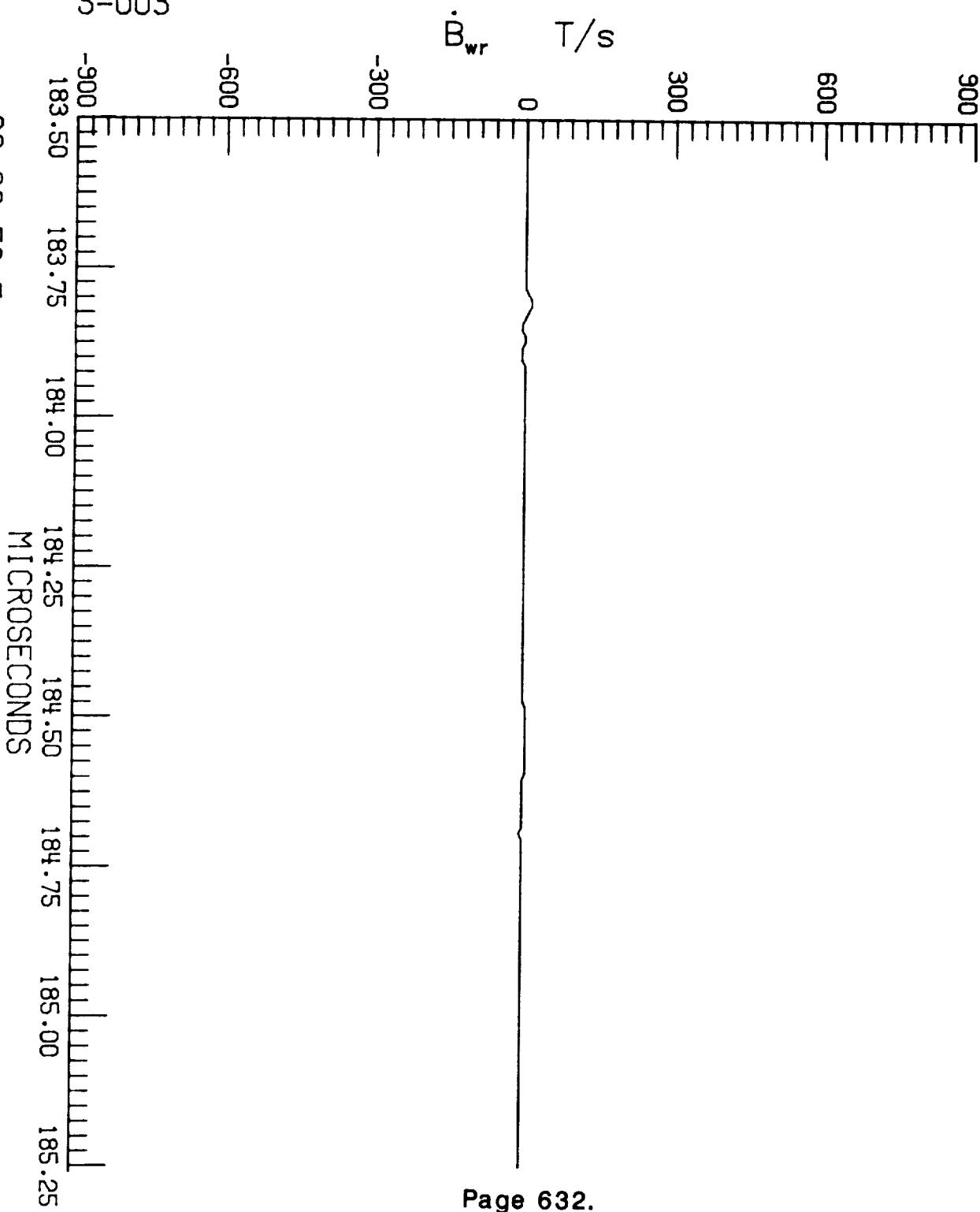
\dot{D}_{wr} A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003



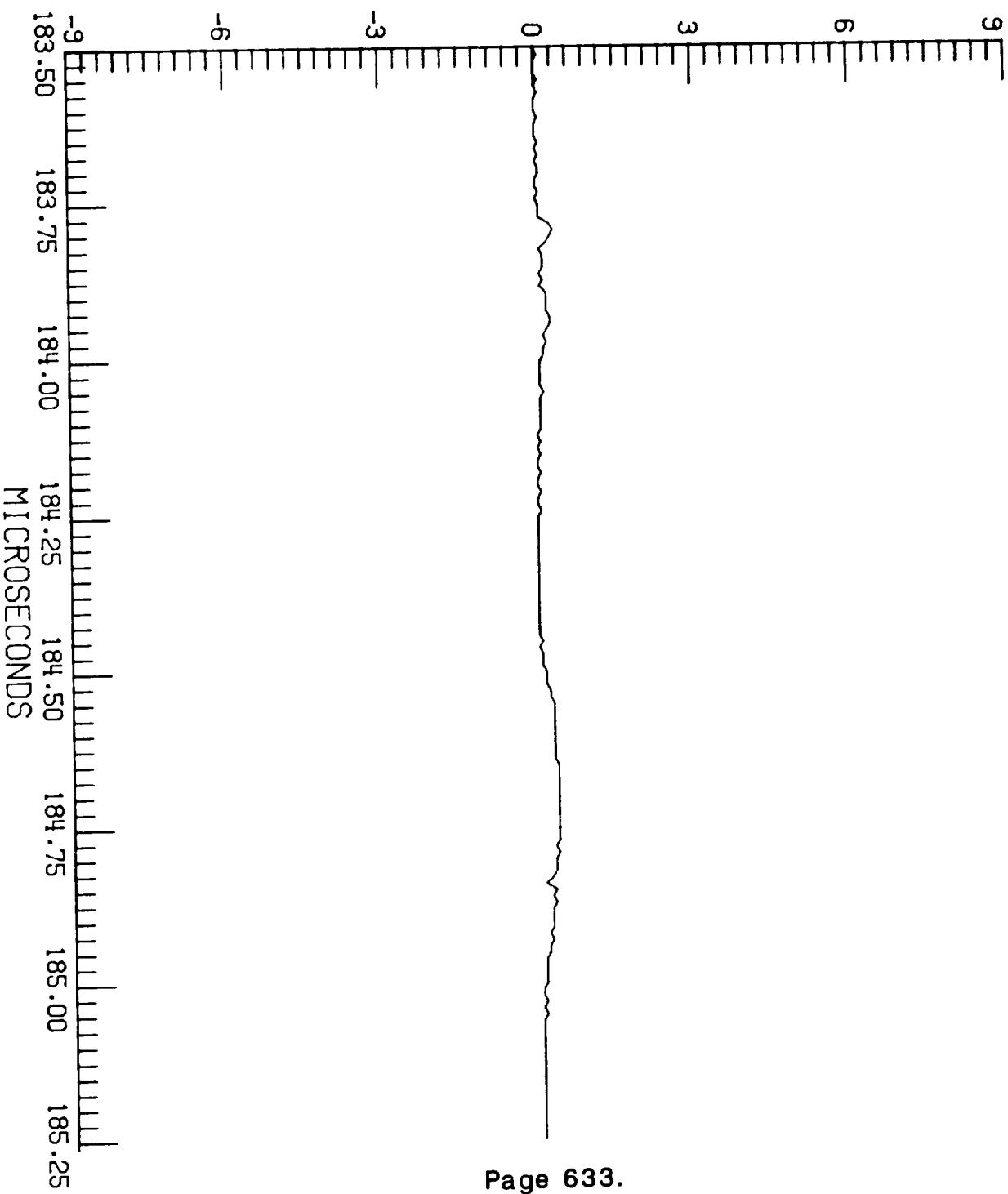
22:22:53.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²



22:22:53.5
CHANNEL NO. 3.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101

V

21

14

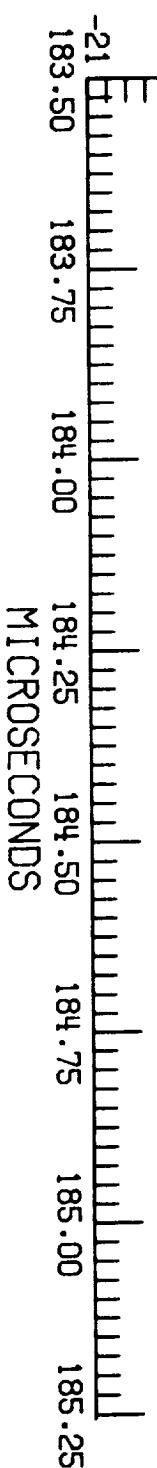
7

0

-7

-14

-21



22:22:53.5
CHANNEL NO. 4.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP116

A

.09

.18

.27

-.18

-.27

183.50 183.75 184.00

184.25 184.50 184.75

185.00 185.25

MICROSECONDS

22:22:53.5
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP112

A

-.09

.09

.18

.27

-.27

183.50

183.75

184.00

184.25

184.50

184.75

185.00

185.25

MICROSECONDS

22:22:53.5

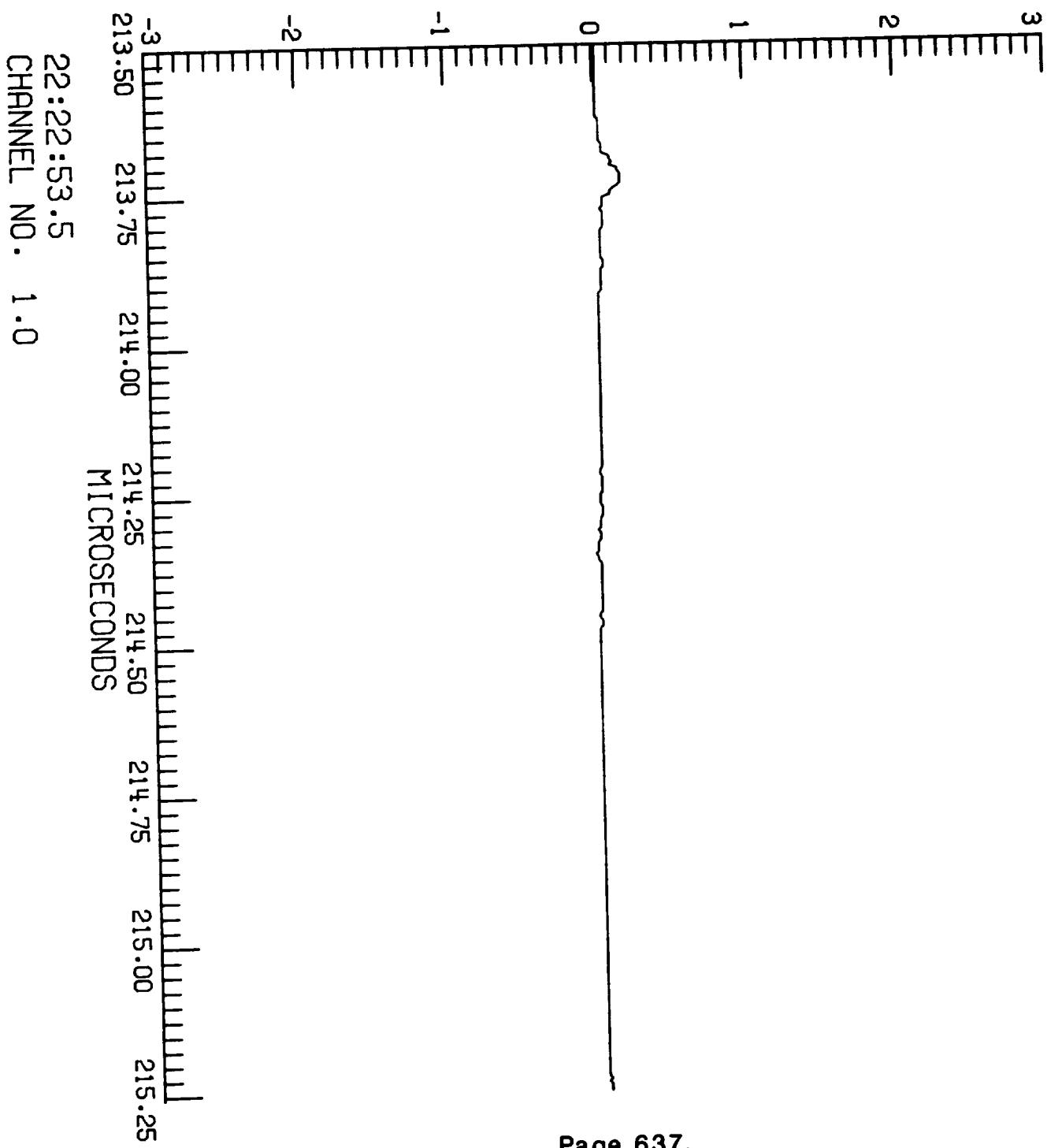
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

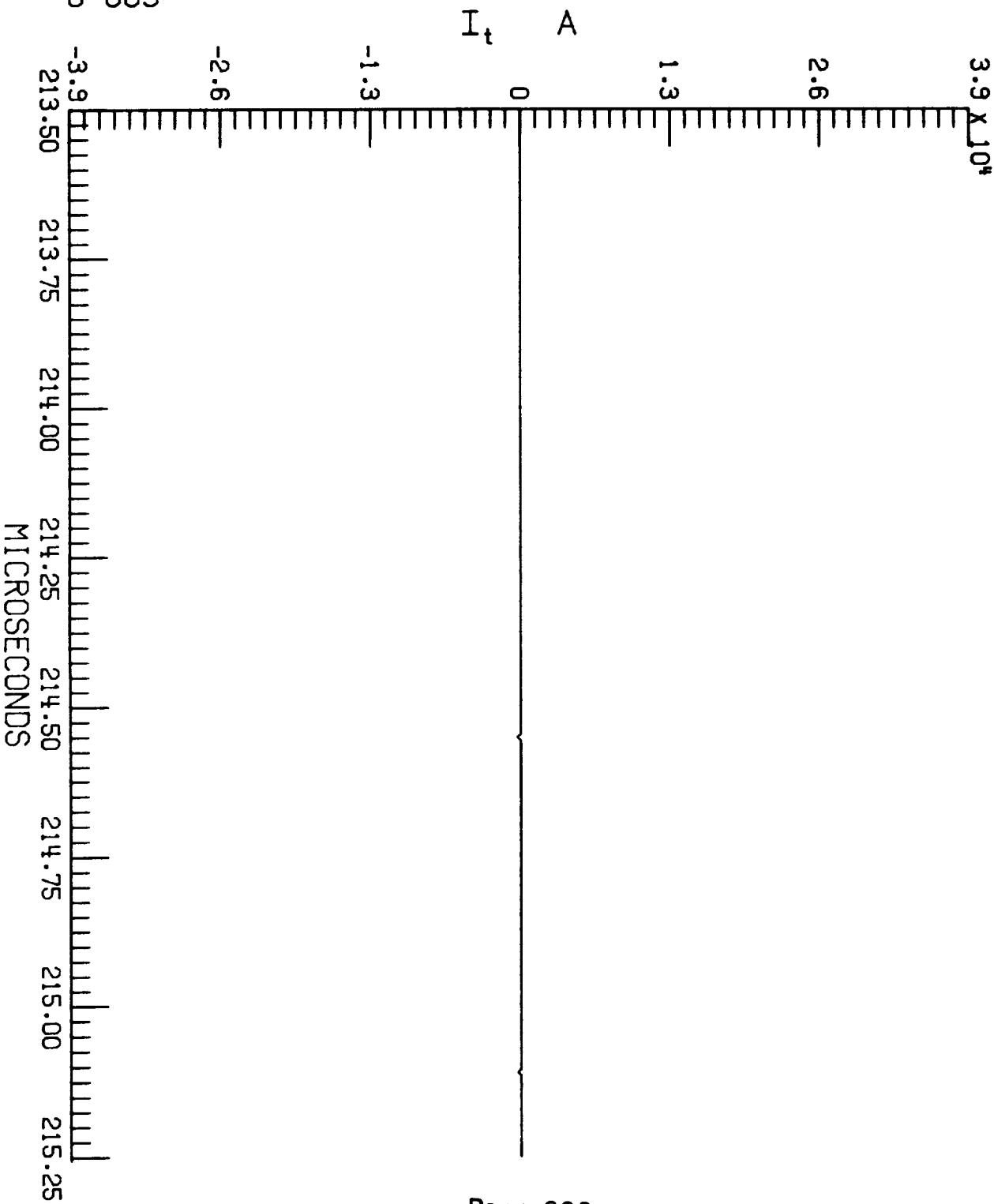
\dot{D}_t A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 3

S-003

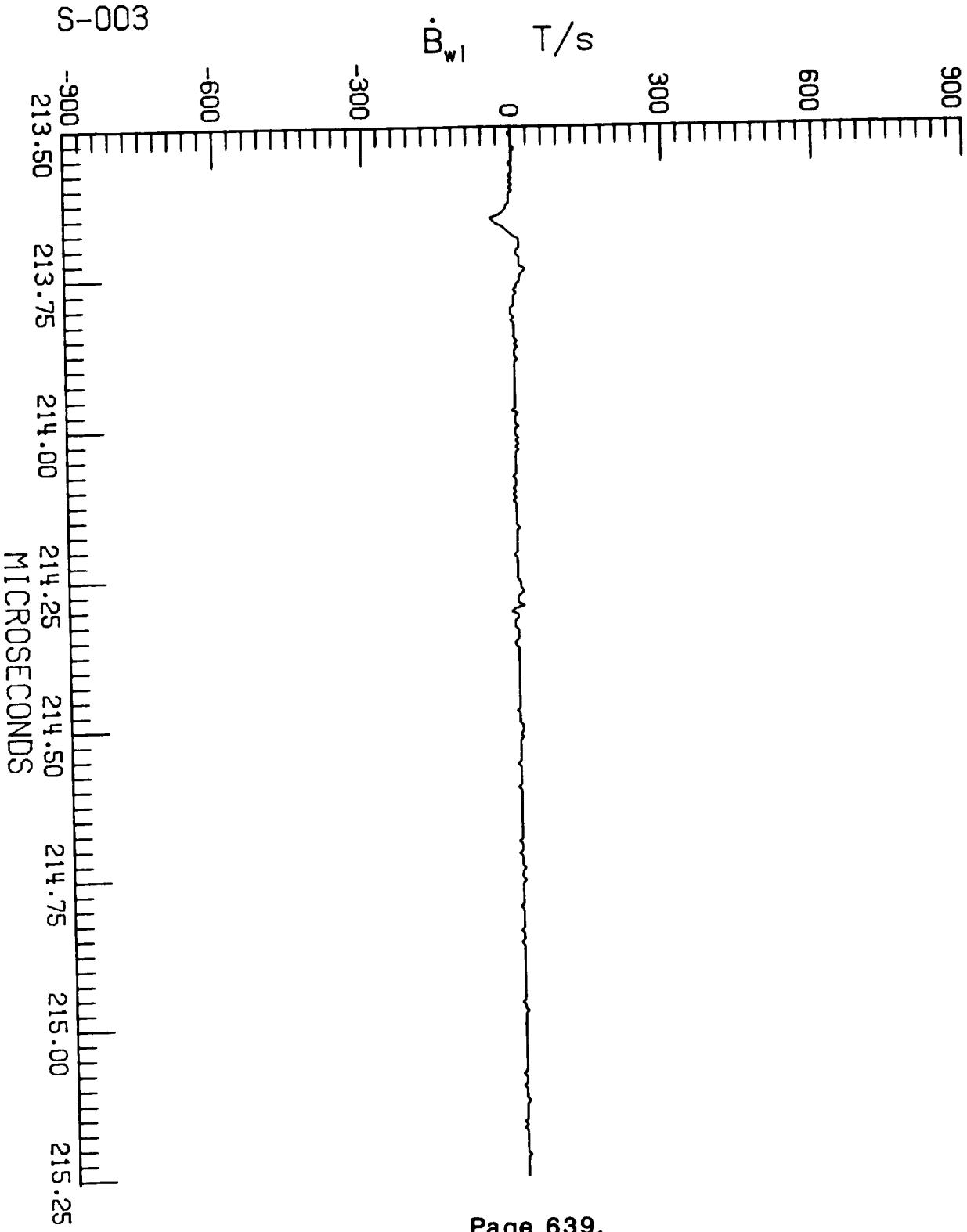


22:22:53.5
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003



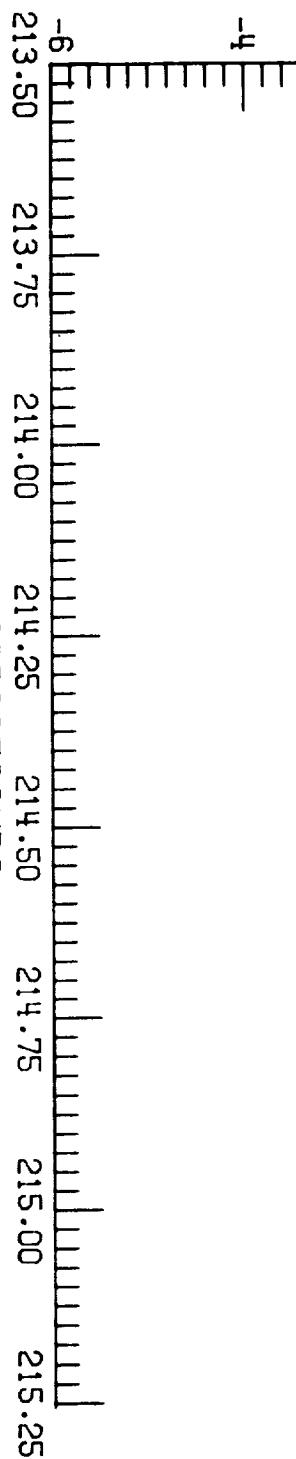
F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\cdot I A/s

6×10^{10}



22:22:53.5
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

-10 -5 0 5 10 15

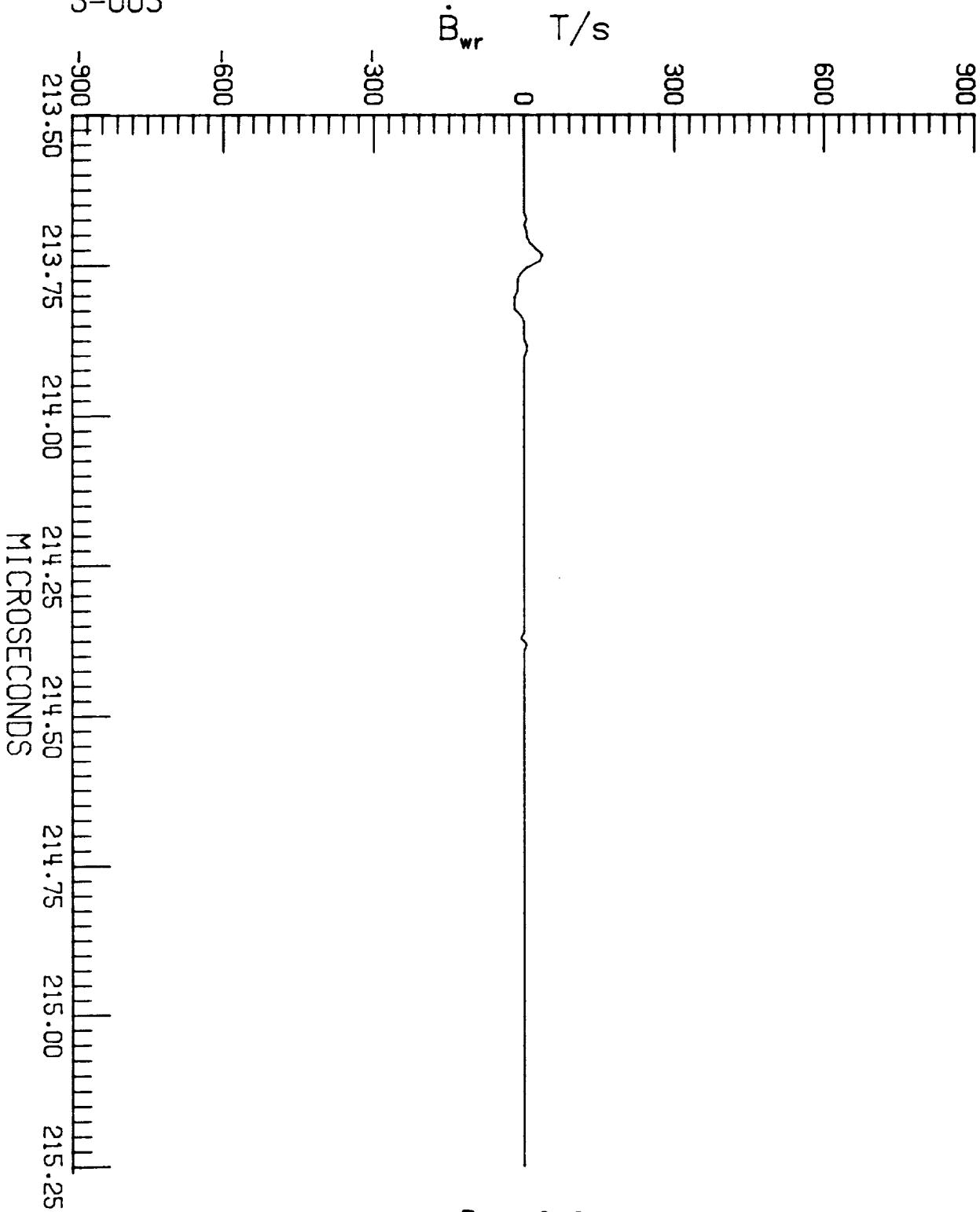
-15
213.50 213.75 214.00 214.25 214.50 214.75 215.00 215.25
MICROSECONDS

22:22:53.5
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003



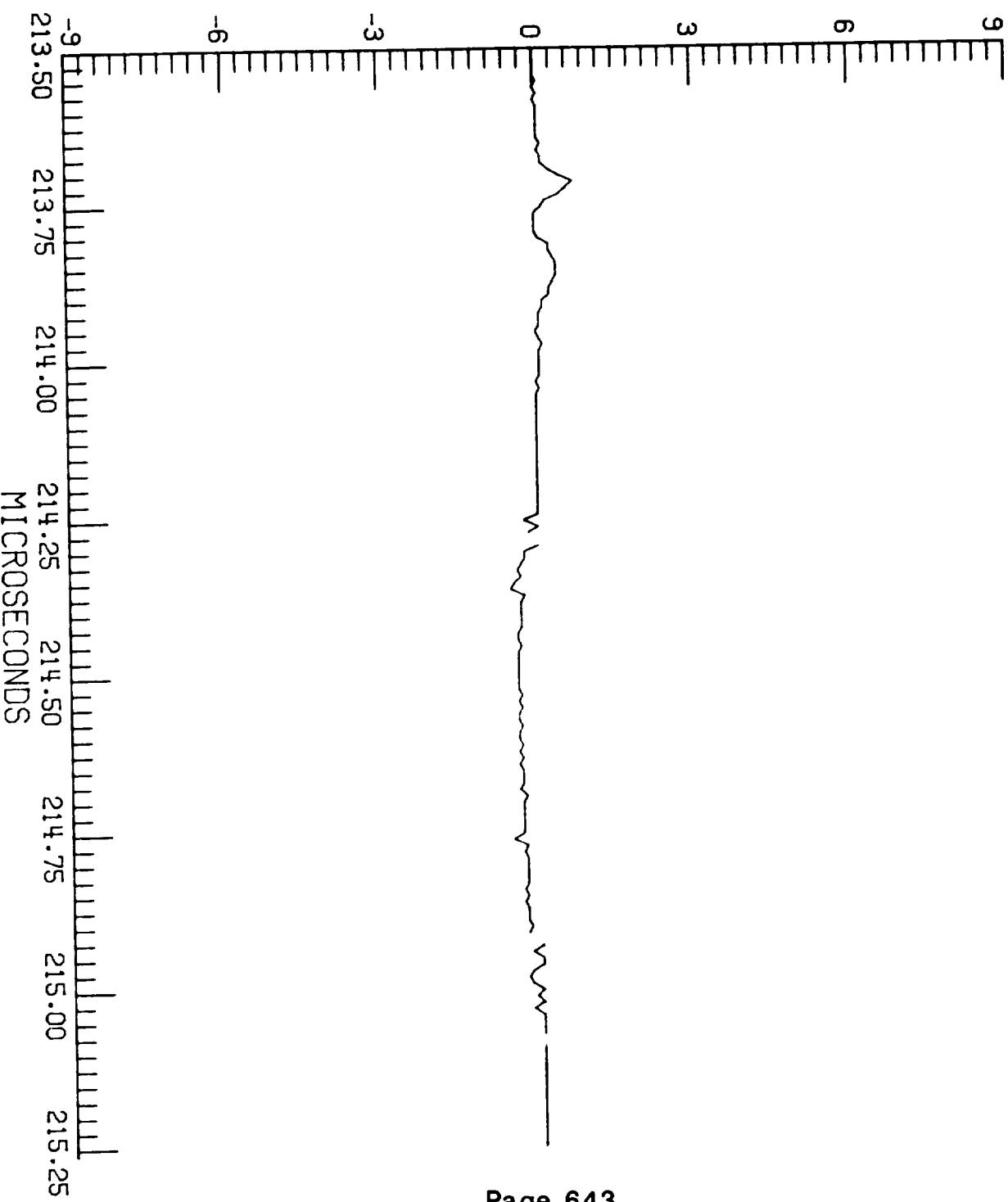
22:22:53.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²



22:22:53.5
CHANNEL NO. 3.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101

V

21

14

7

0

-7

-14

-21



22:22:53.5

CHANNEL NO. 4.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP116

A

.09

.18

.27

0

-.18

-.27

213.50

213.75

214.00

214.25

214.50

214.75

215.00

215.25

MICROSECONDS

22:22:53.5
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP112

A

.27

.18

.09

0

-.18

-.27

213.50

213.75

214.00

214.25

214.50

214.75

215.00

215.25

MICROSECONDS

22:22:53.5
CHANNEL NO. 4.2

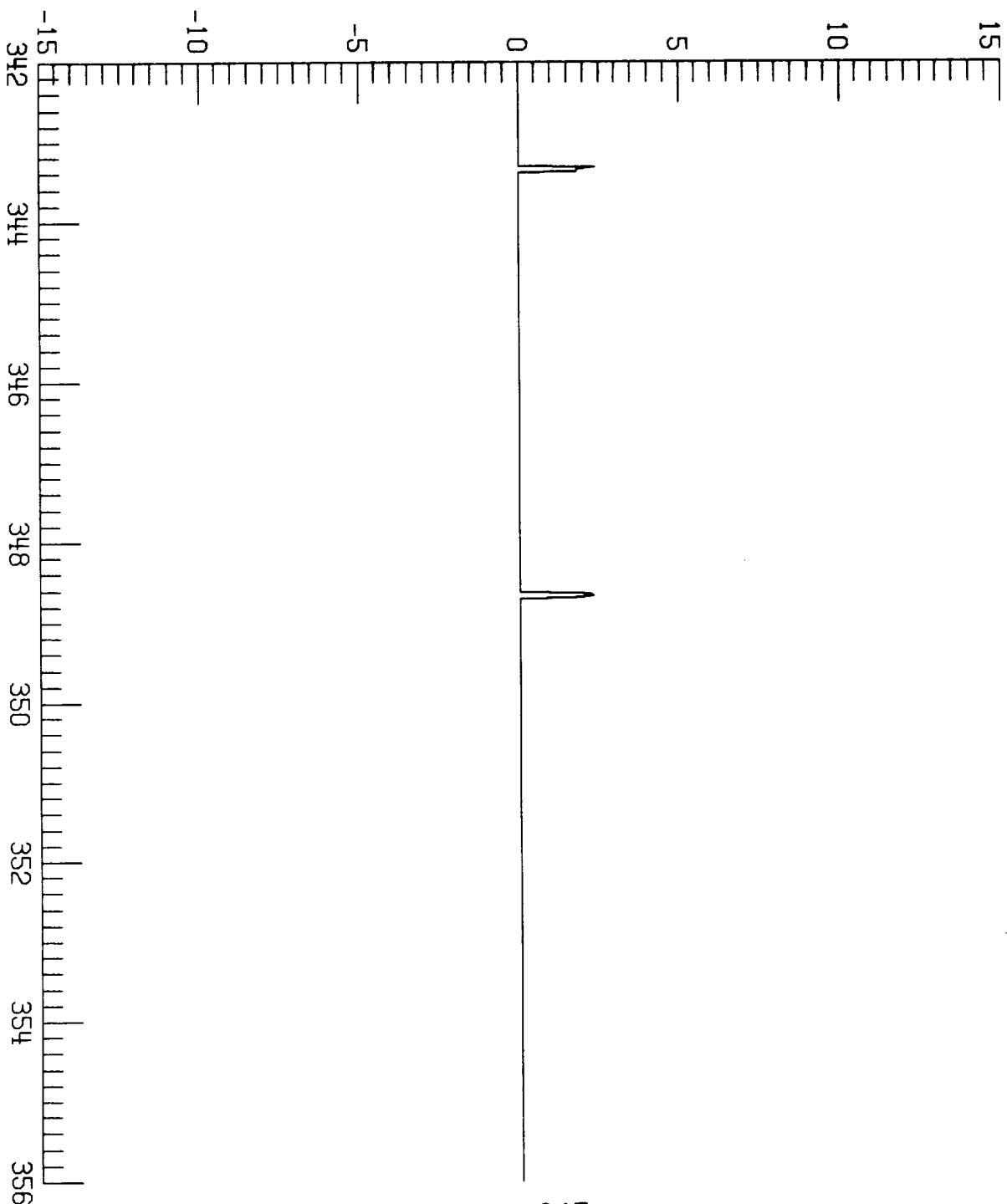
F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

-10 -5 0 5 10 15



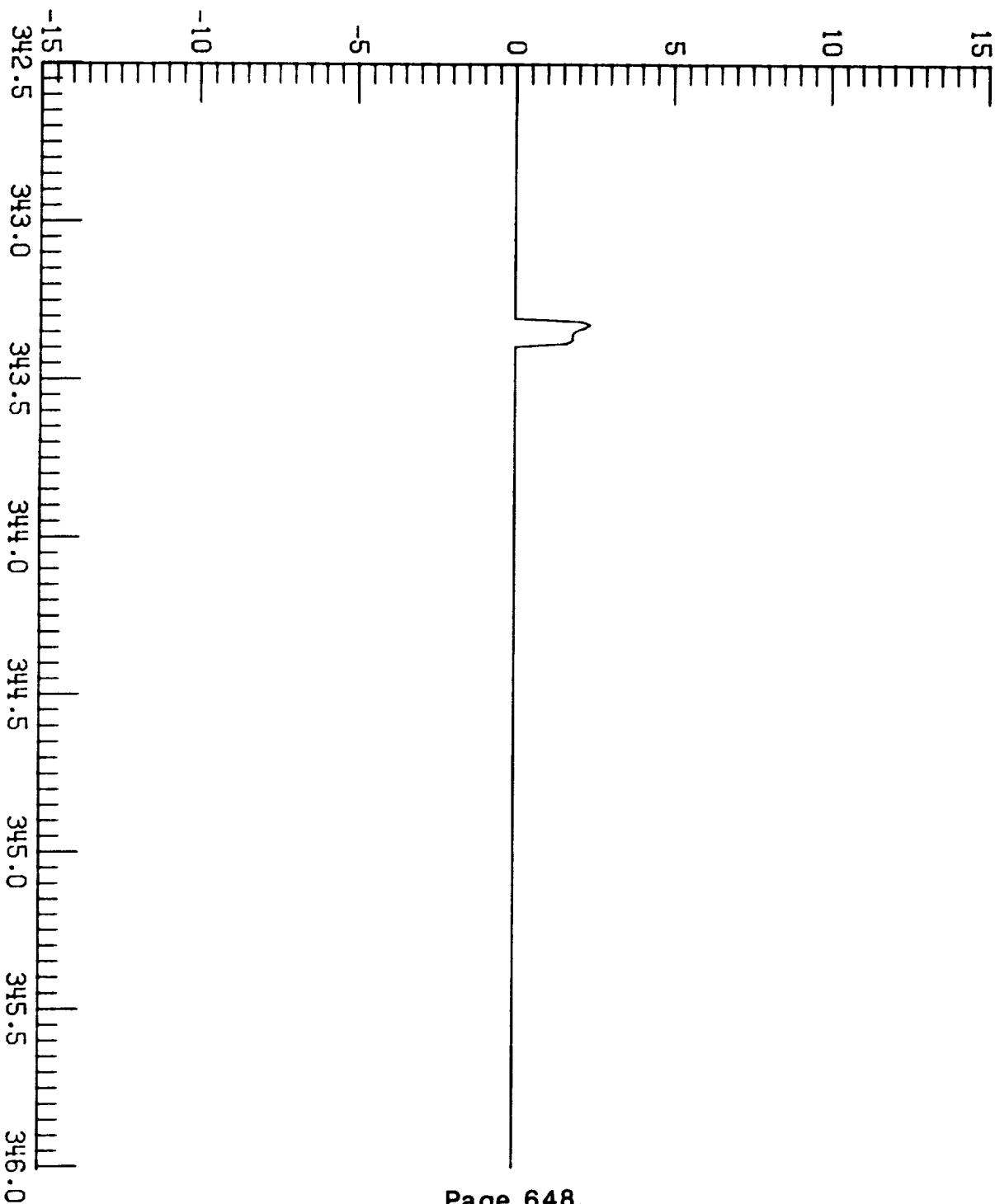
22:22:53.5
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

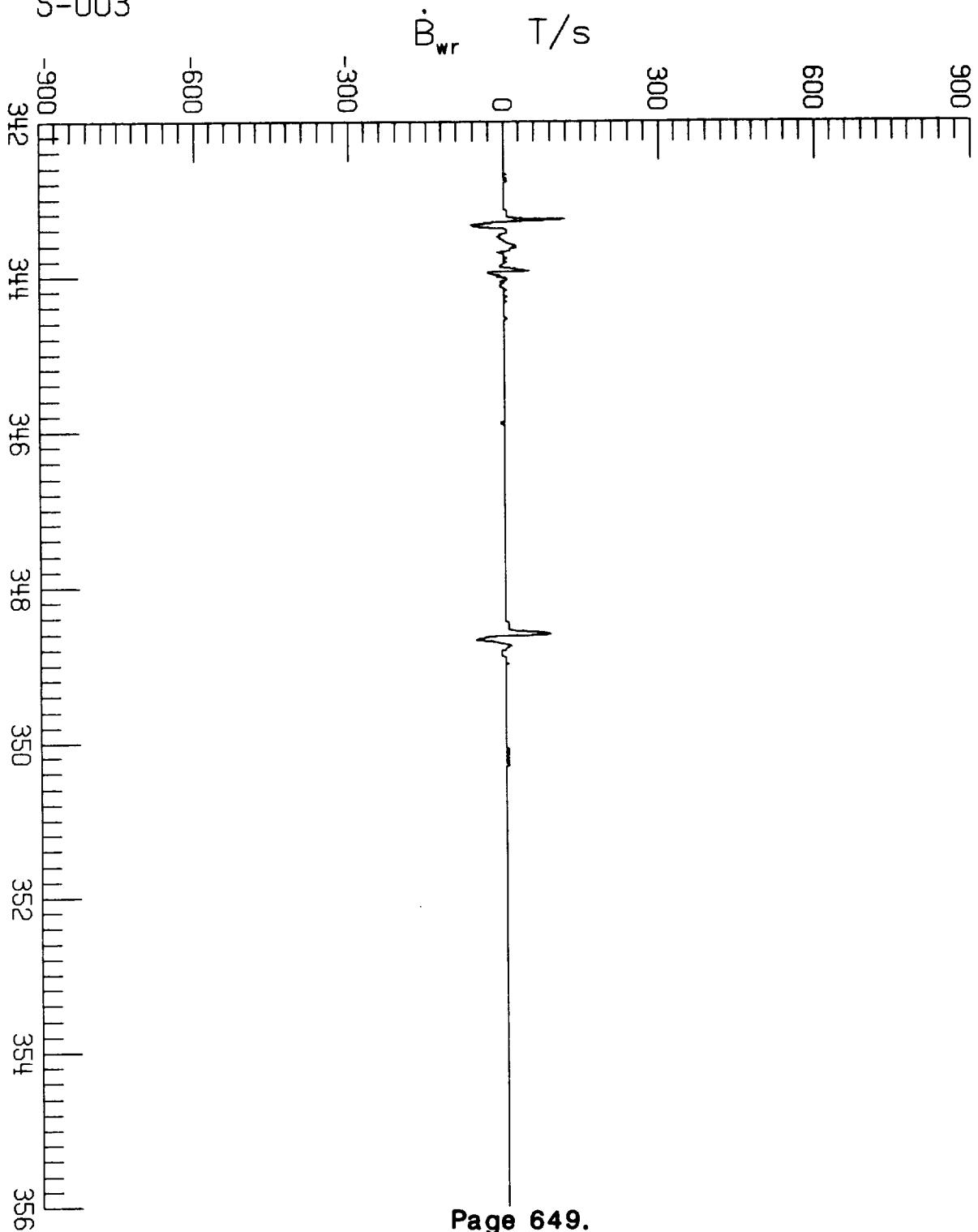


22:22:53.5
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

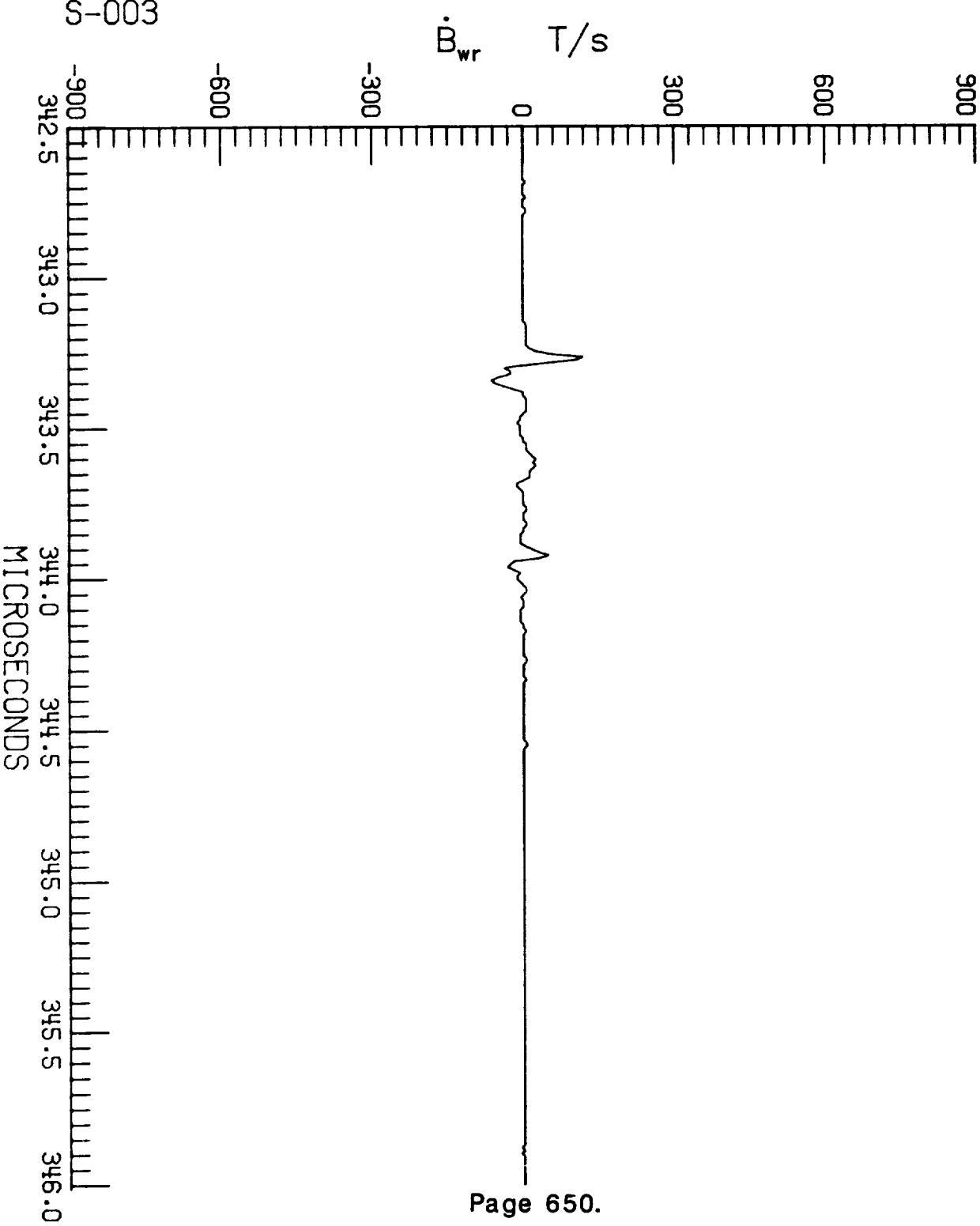


22:22:53.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003



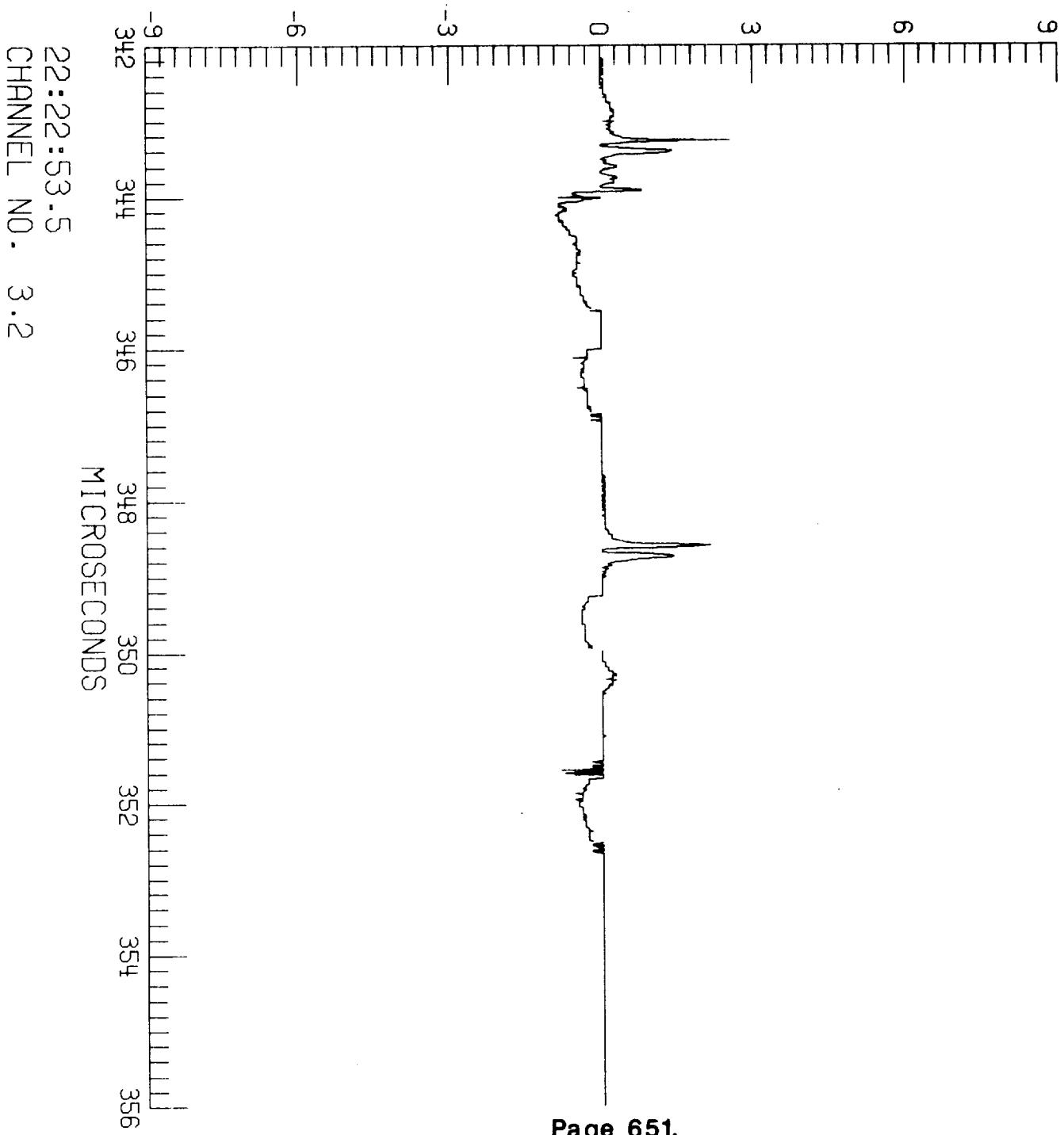
22:22:53.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

D_f A/m²

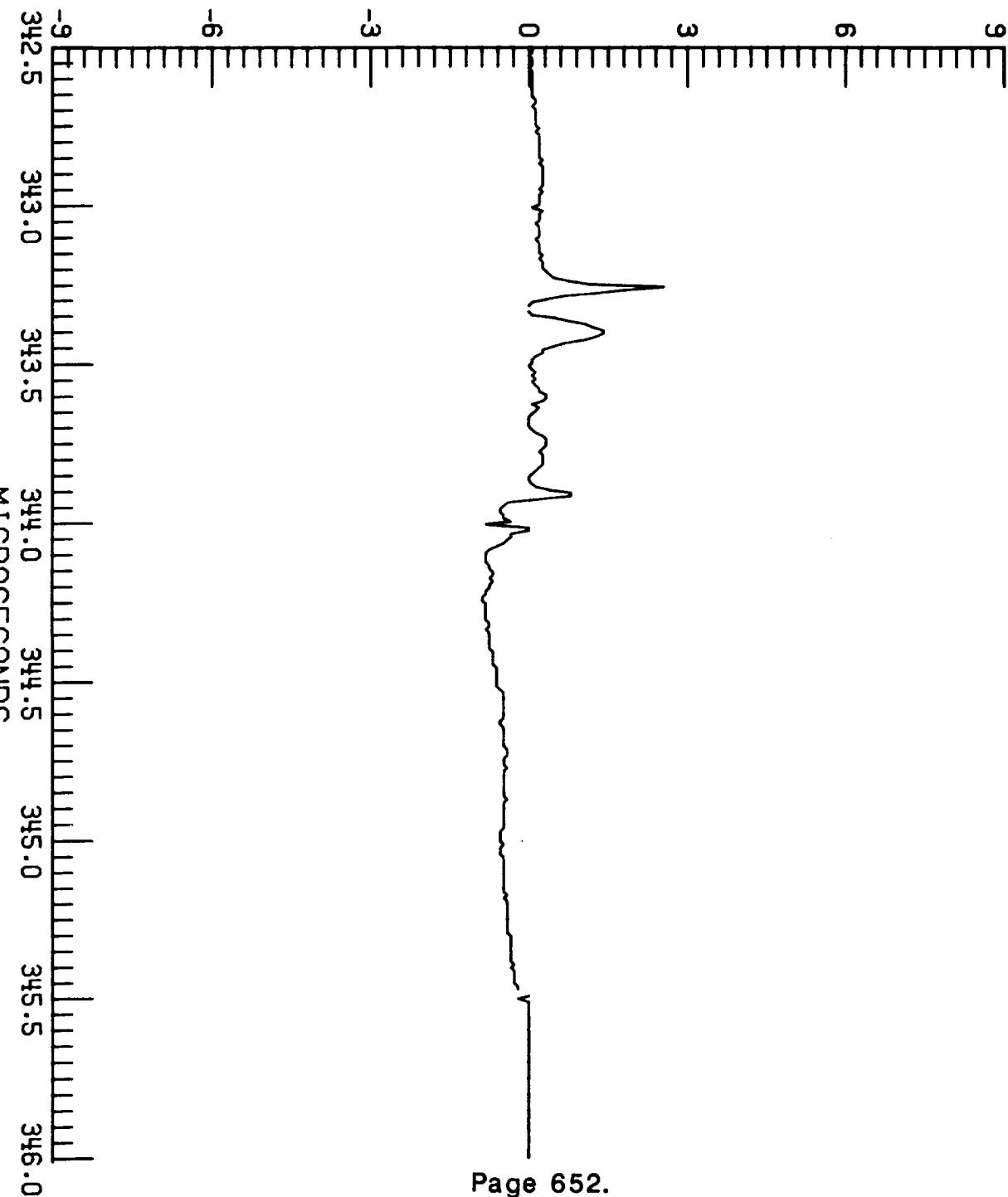


F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²



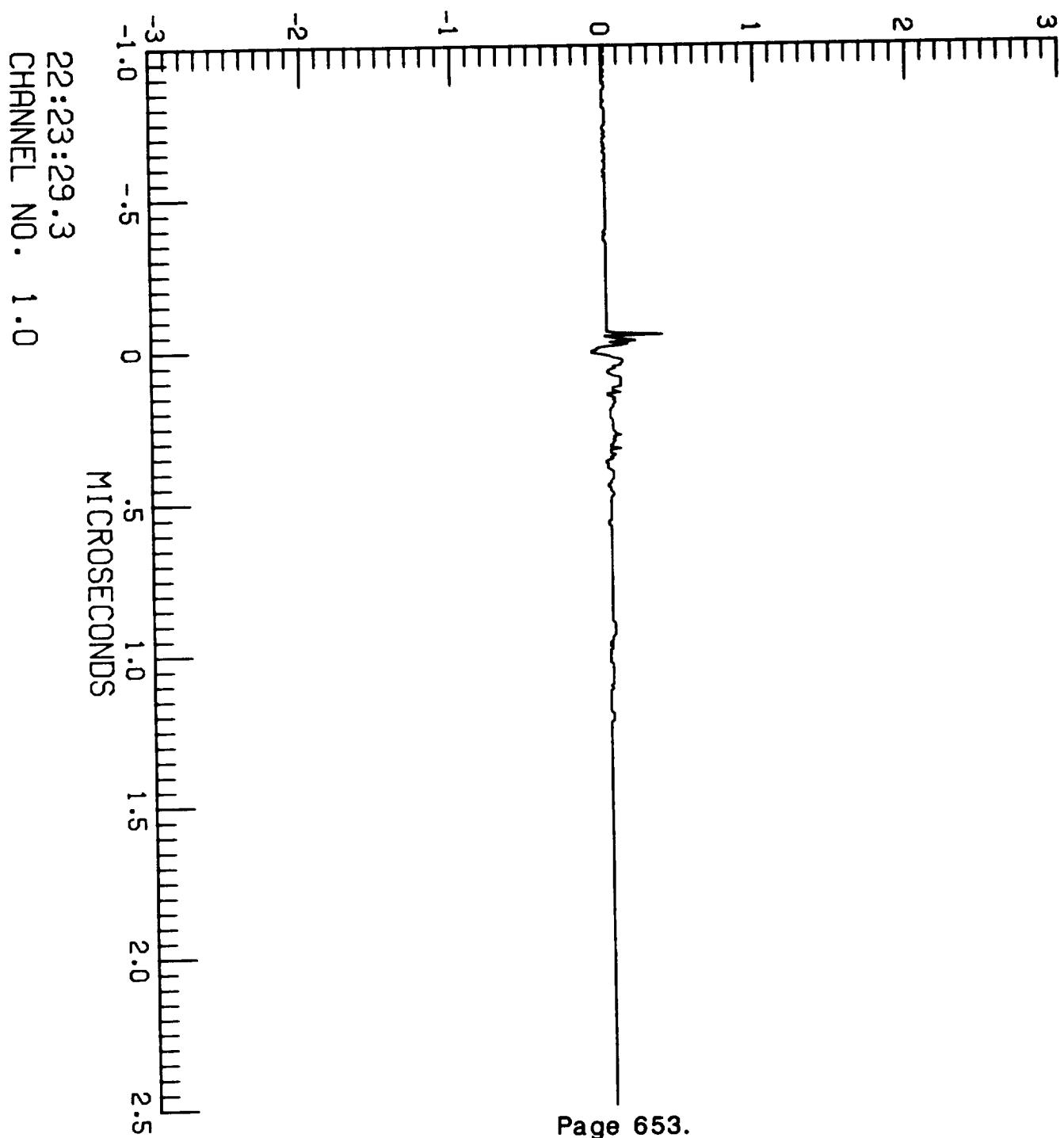
22:22:53.5
CHANNEL NO. 3..2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 4

S-004

\dot{D}_t A/m²



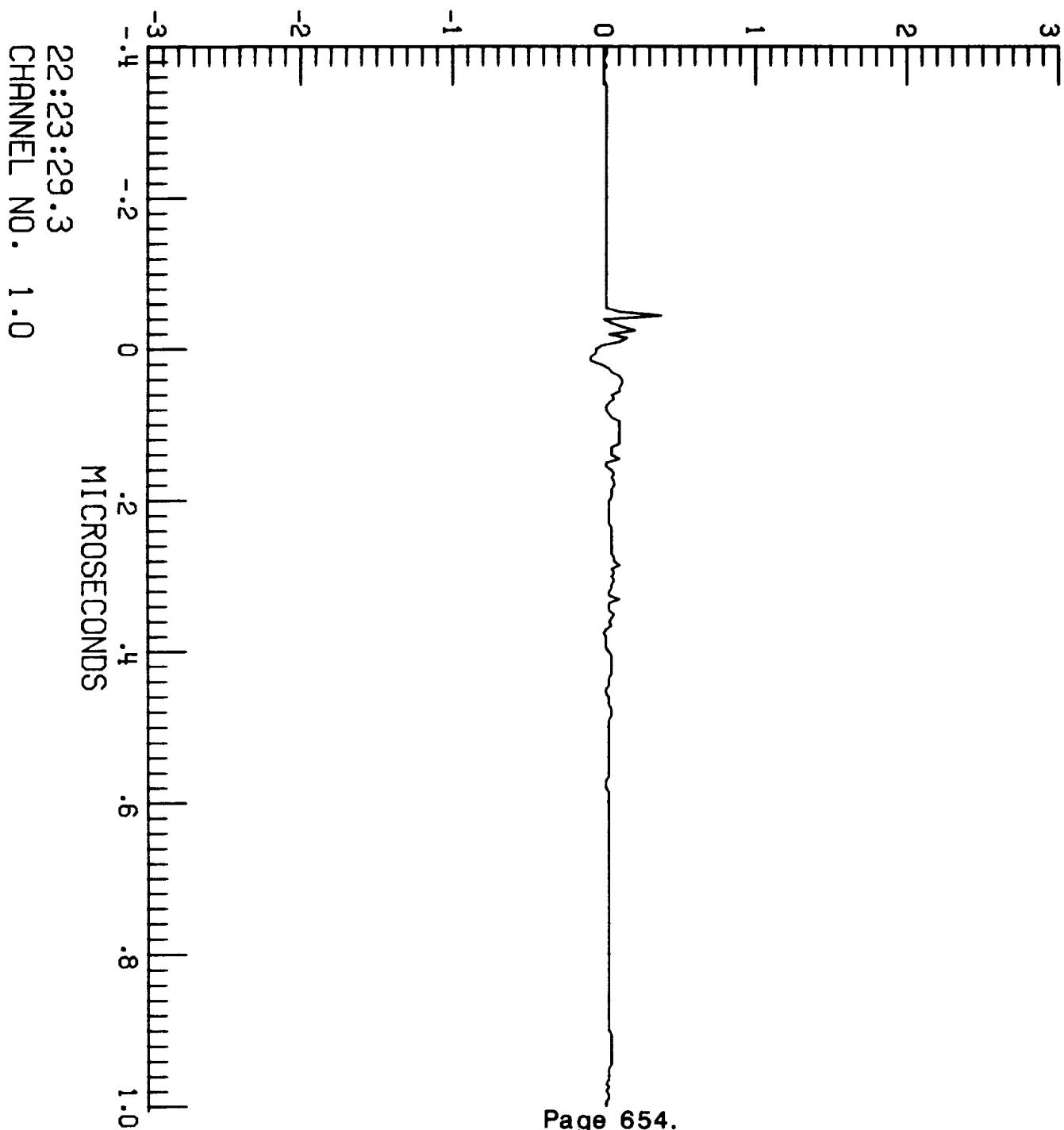
22:23:29.3
CHANNEL NO. 1.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 4

S-004

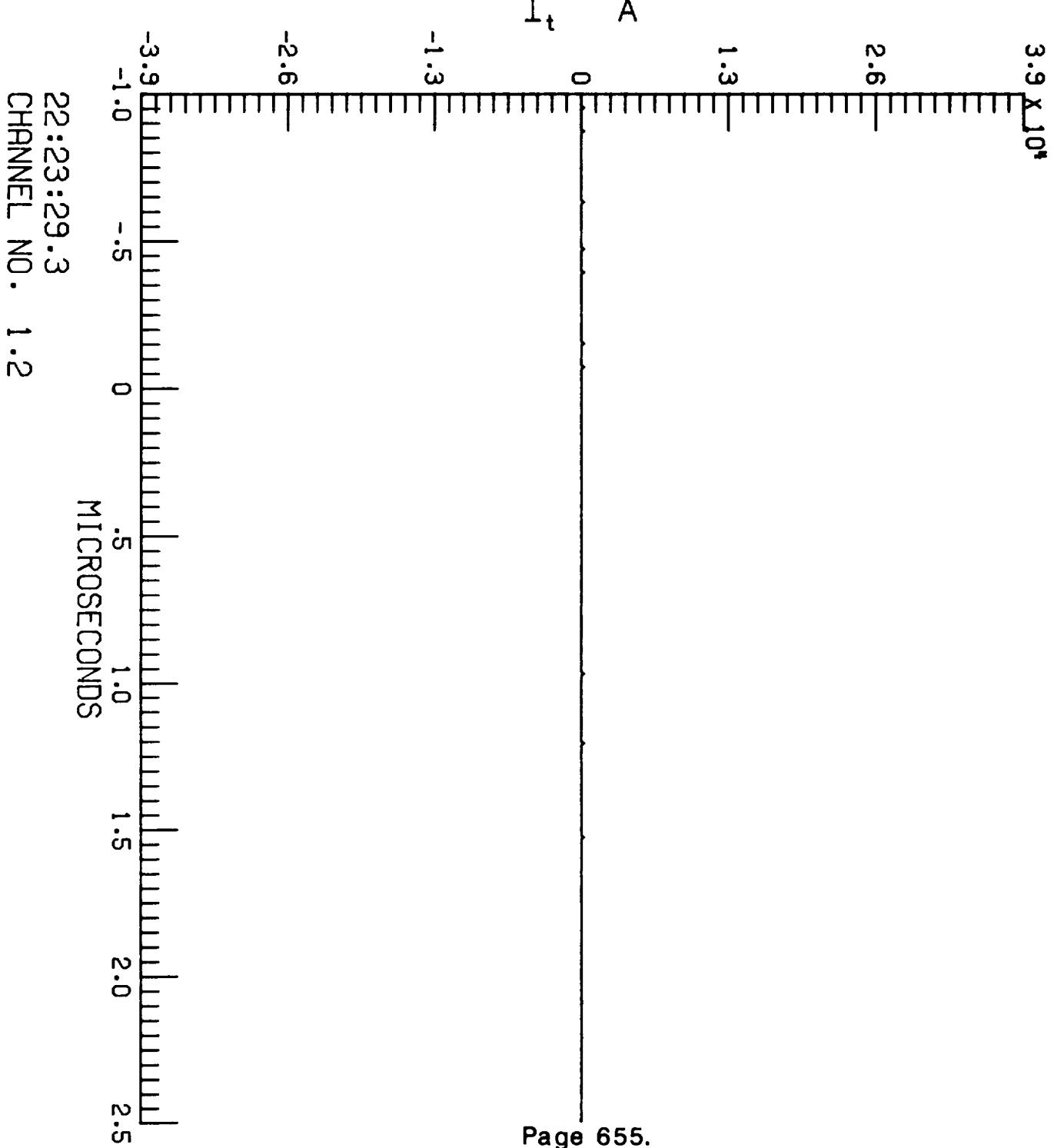
D_t A/m²



F106 LIGHTNING/85-033/ZAEPPFEL

LEC 1 RUN NO. 4

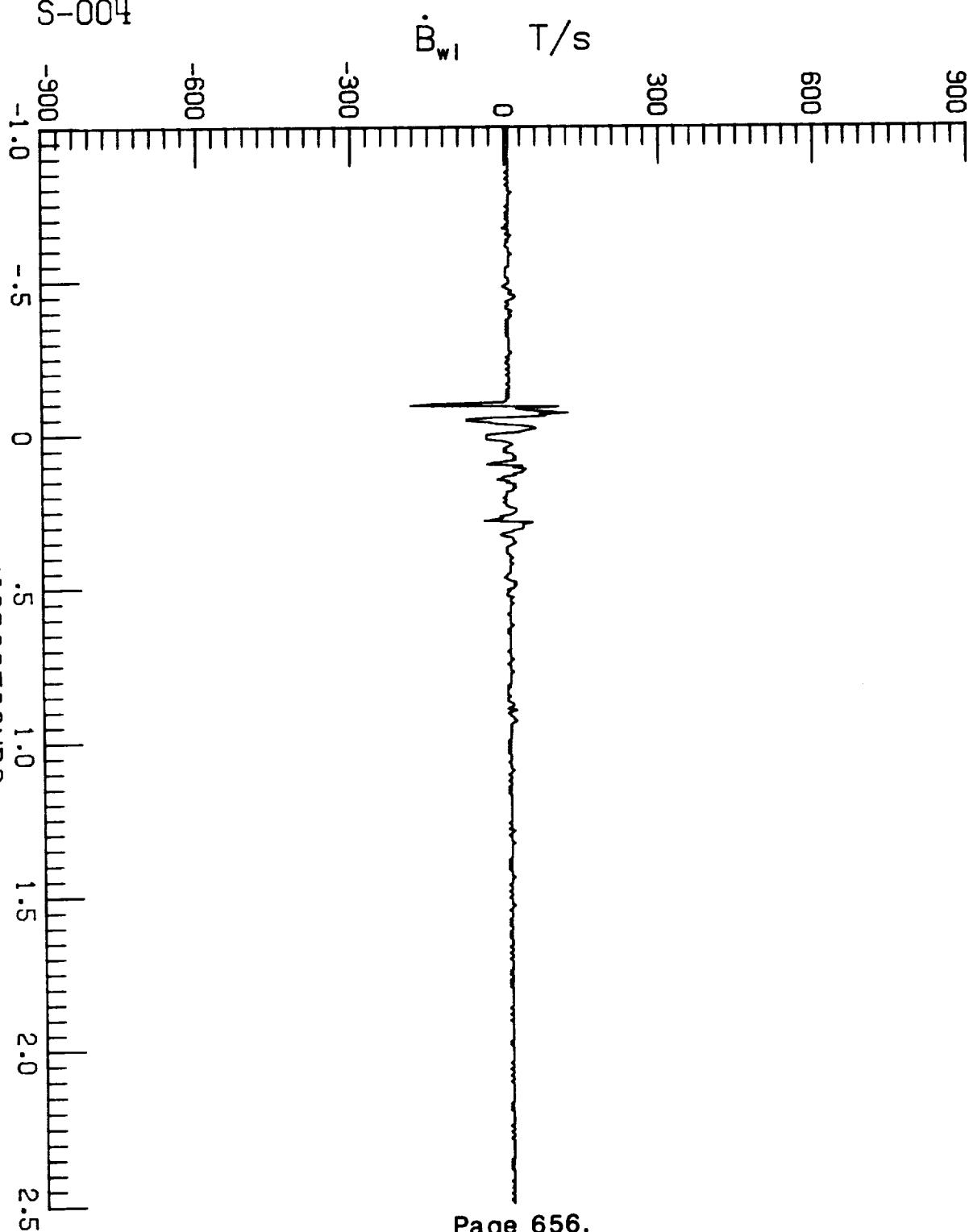
S-004



F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 4

S-004

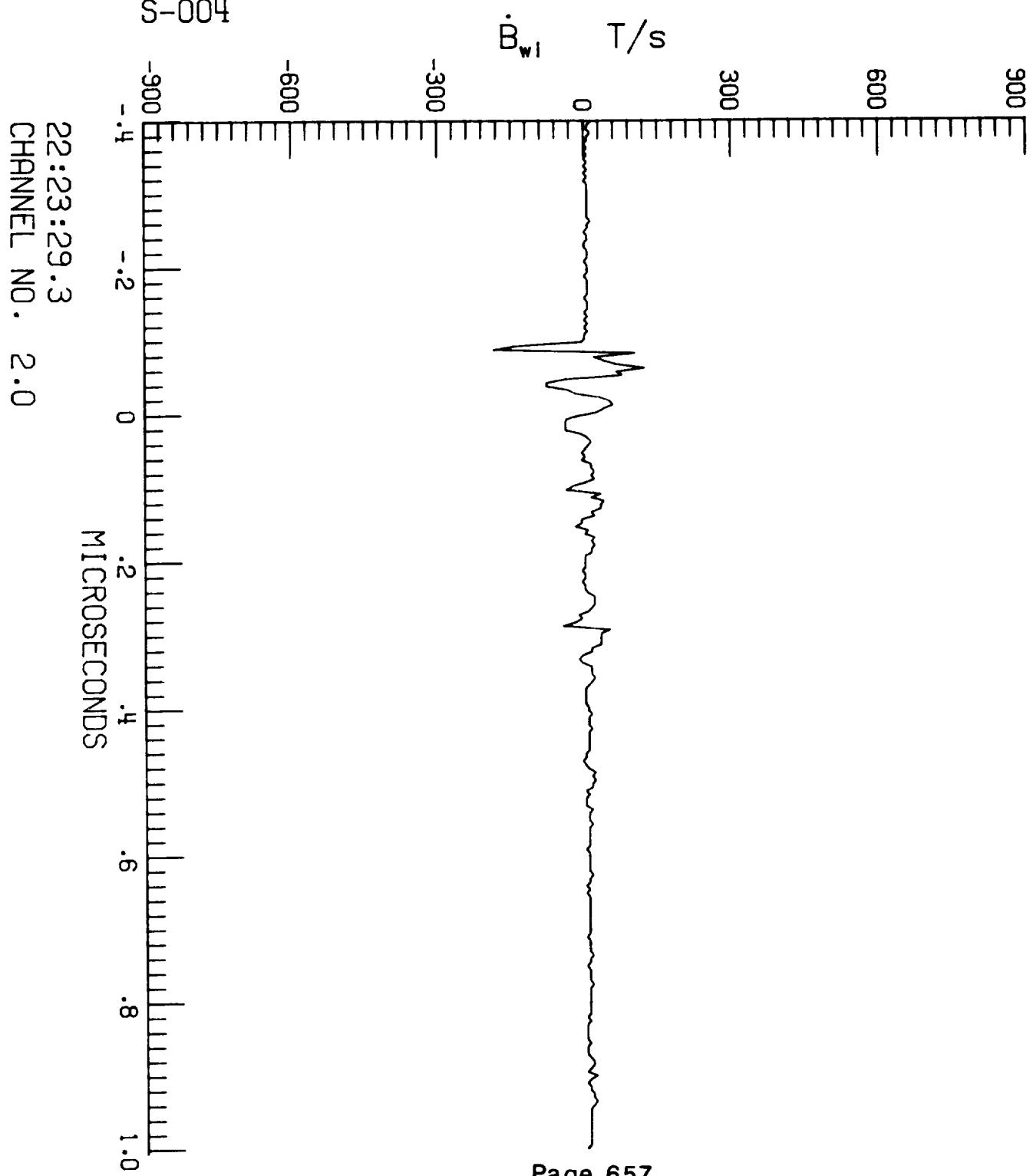


22:23:29.3
CHANNEL NO. 2.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 4

S-004



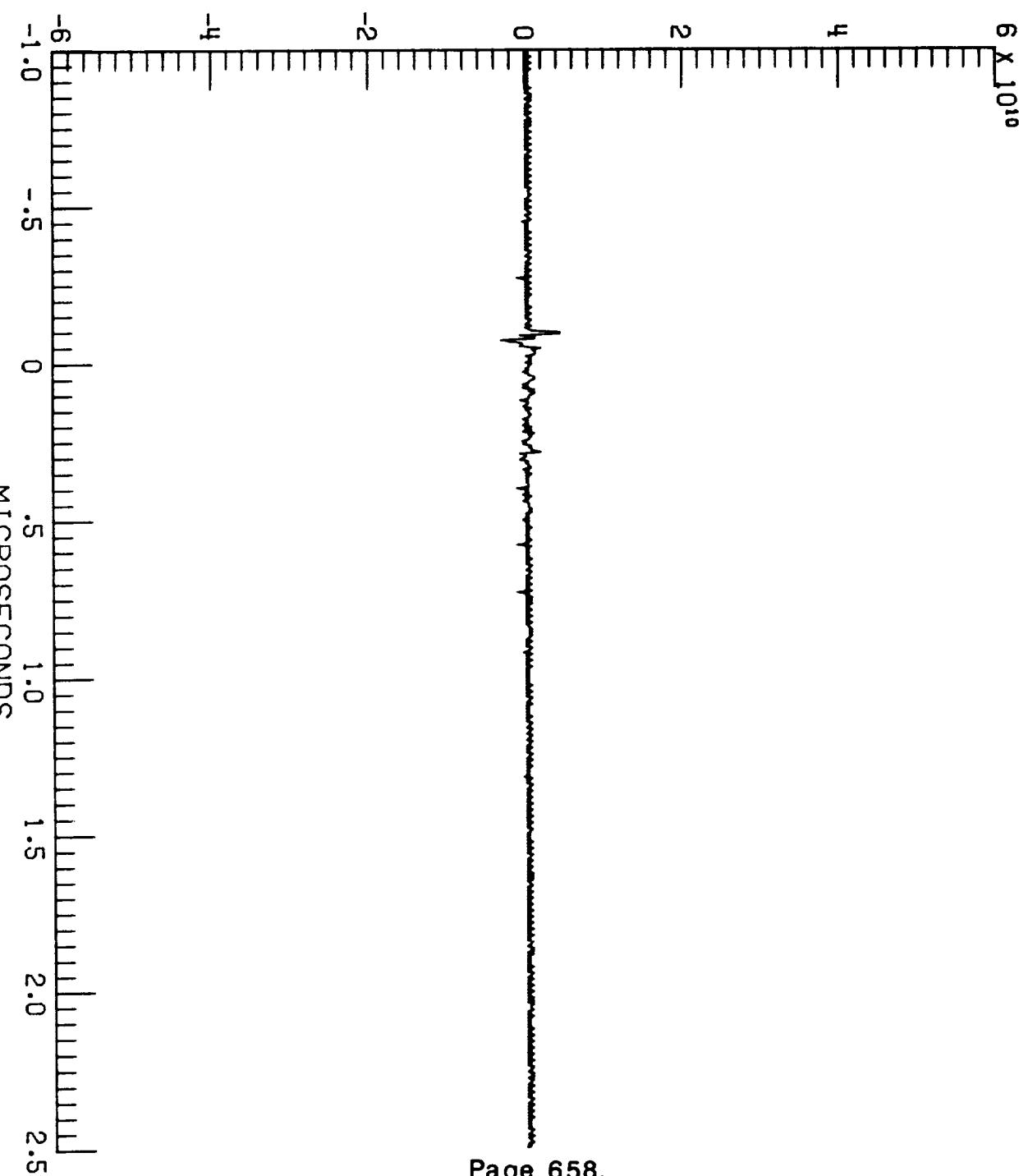
22:23:29.3
CHANNEL NO. 2.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 4

S-004

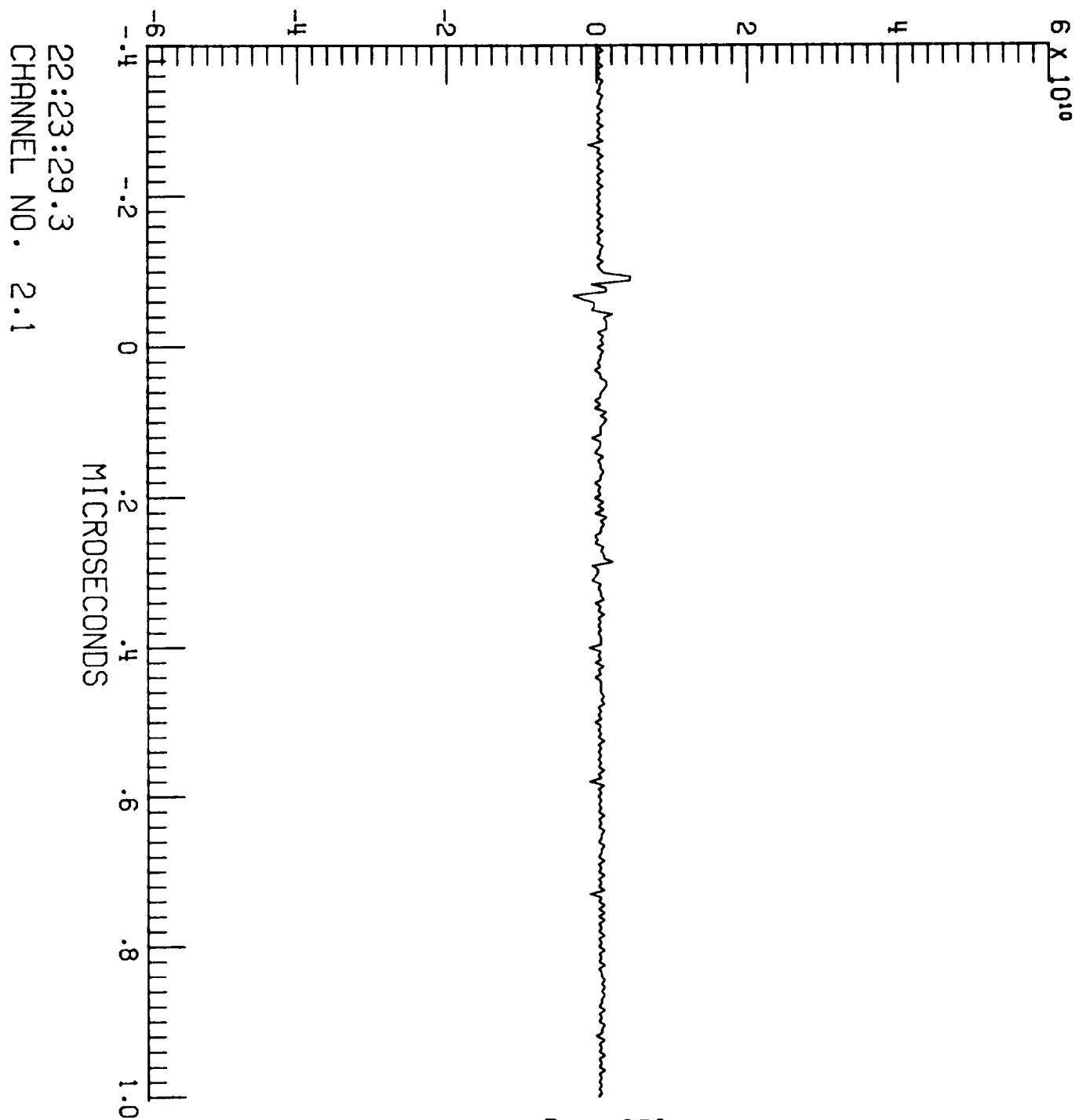
\dot{I} A/s



22:23:29.3
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL
LEC 2 RUN NO. 4
S-004

\dot{I} A/s



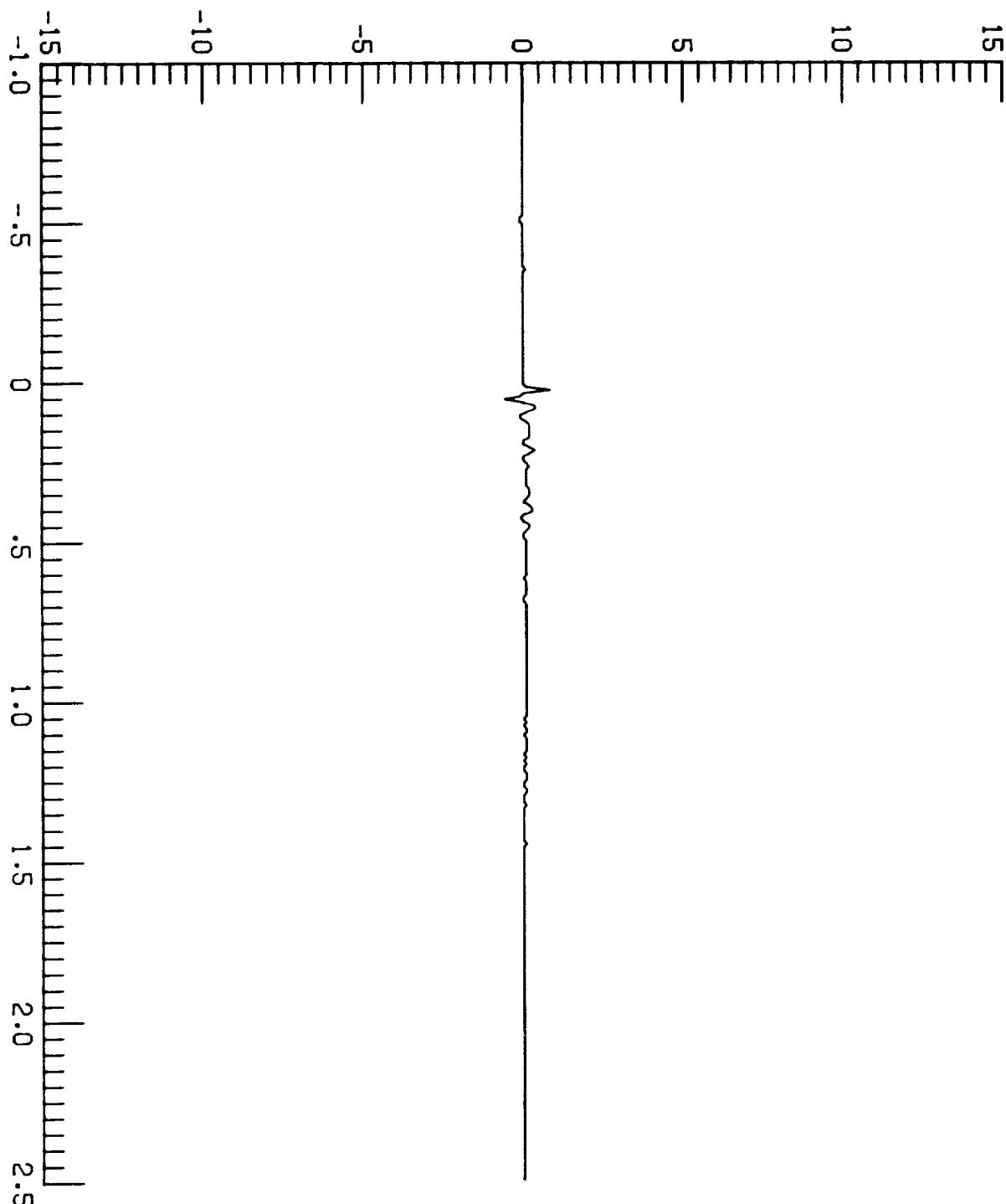
22:23:29.3
CHANNEL NO. 2.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²

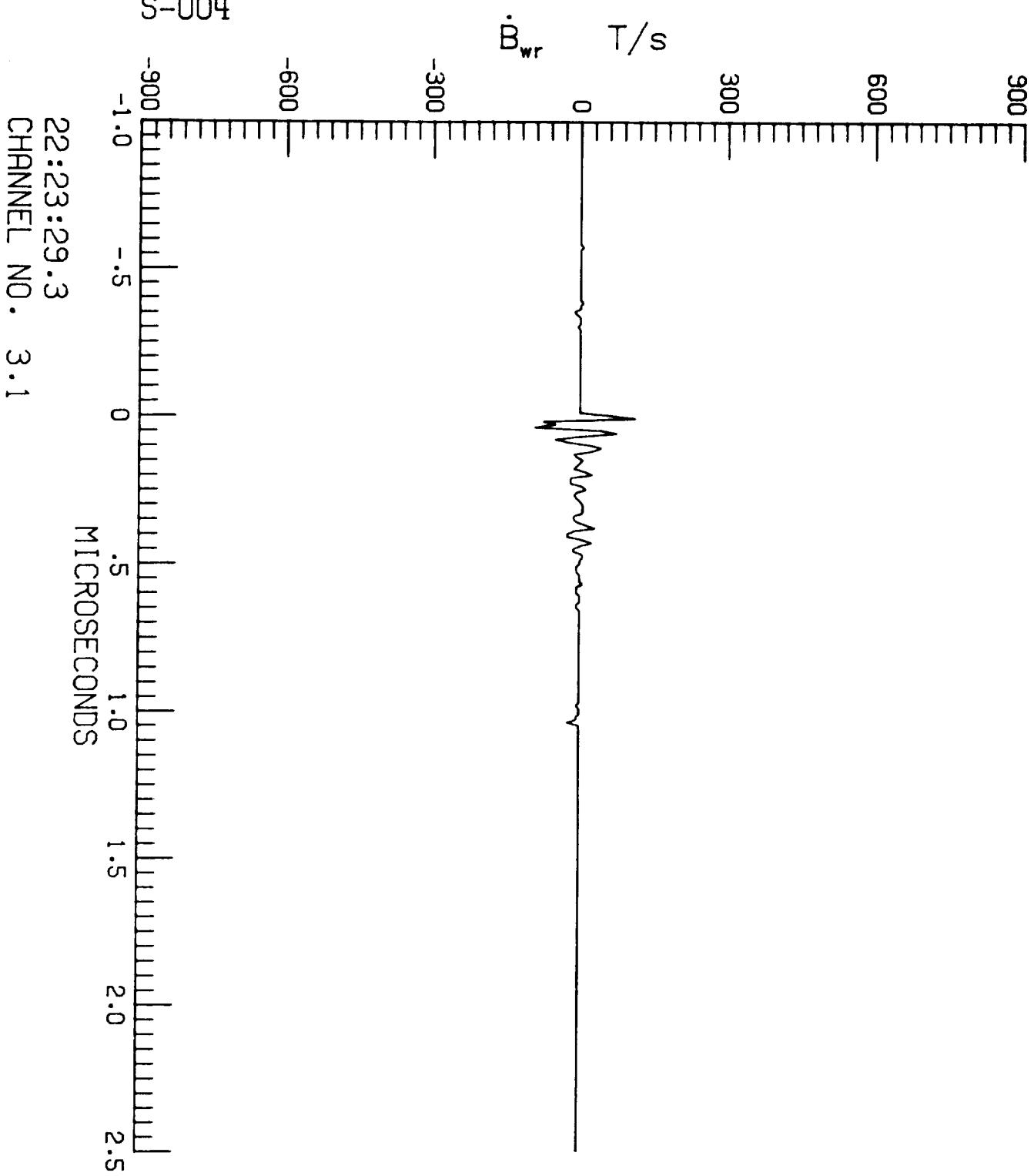


22:23:29.3
CHANNEL NO. 3.0

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 4

S-004



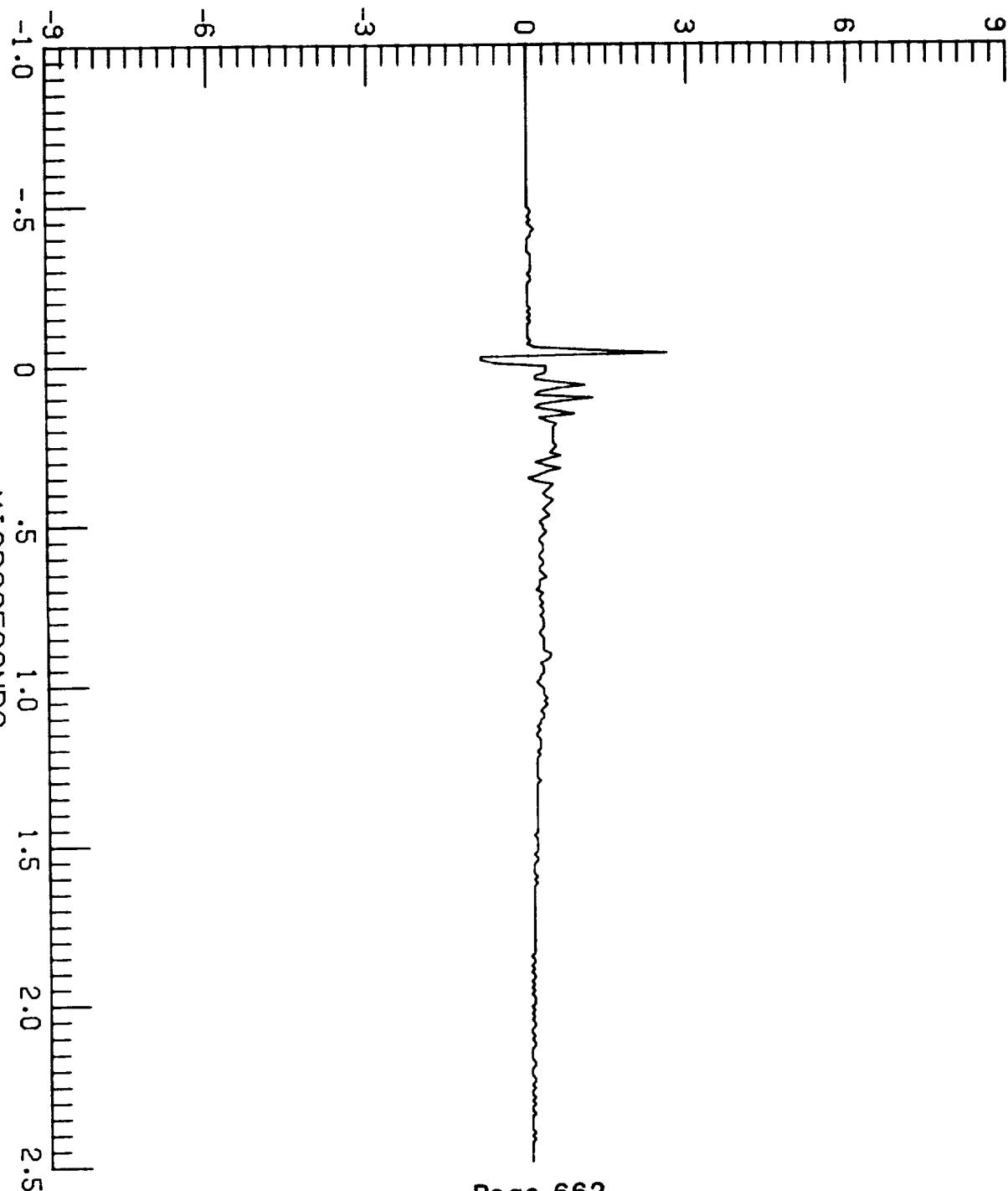
22:23:29.3
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



22:23:29.3
CHANNEL NO. 3.2

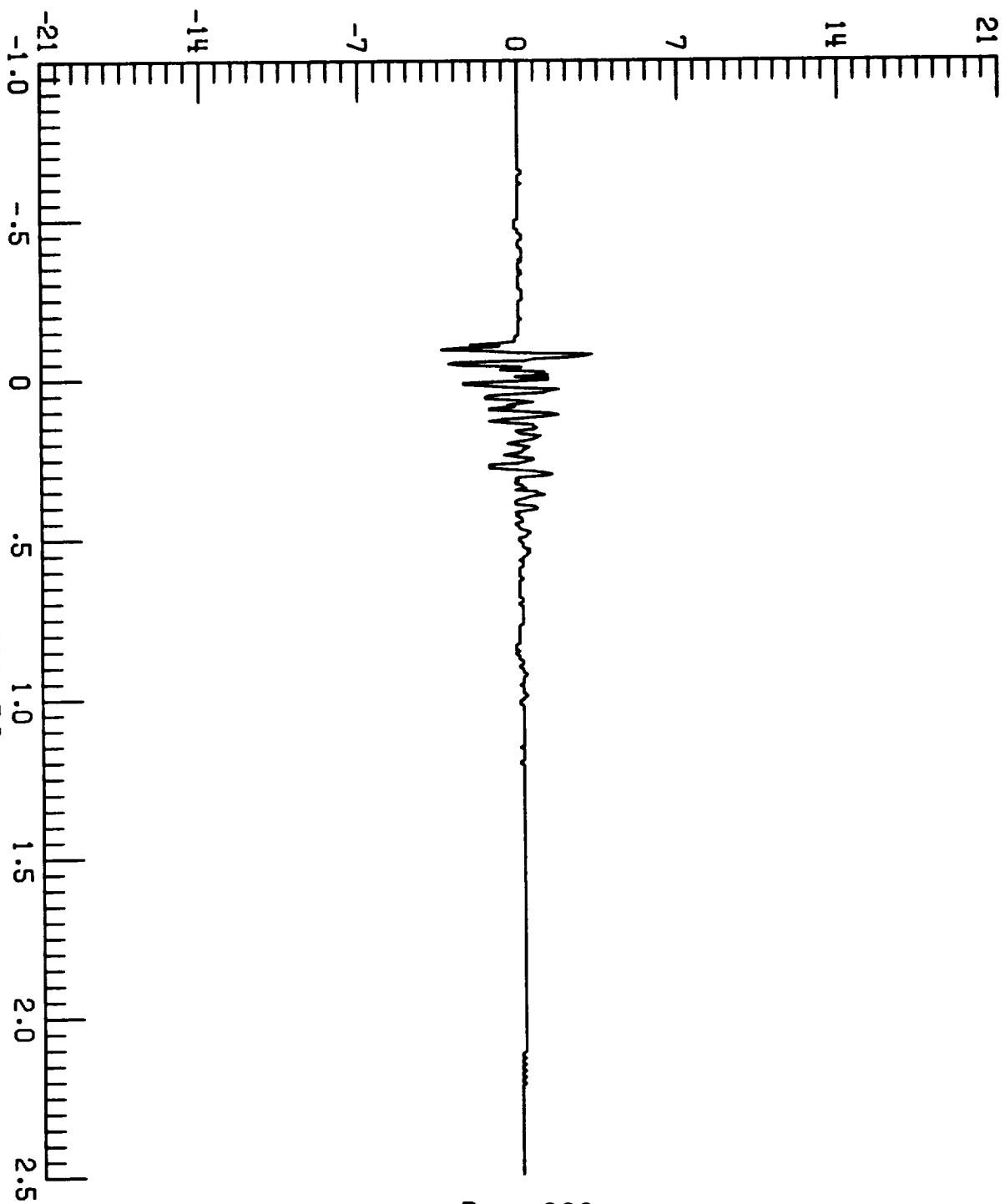
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V



22:23:29.3
CHANNEL NO. 4.0

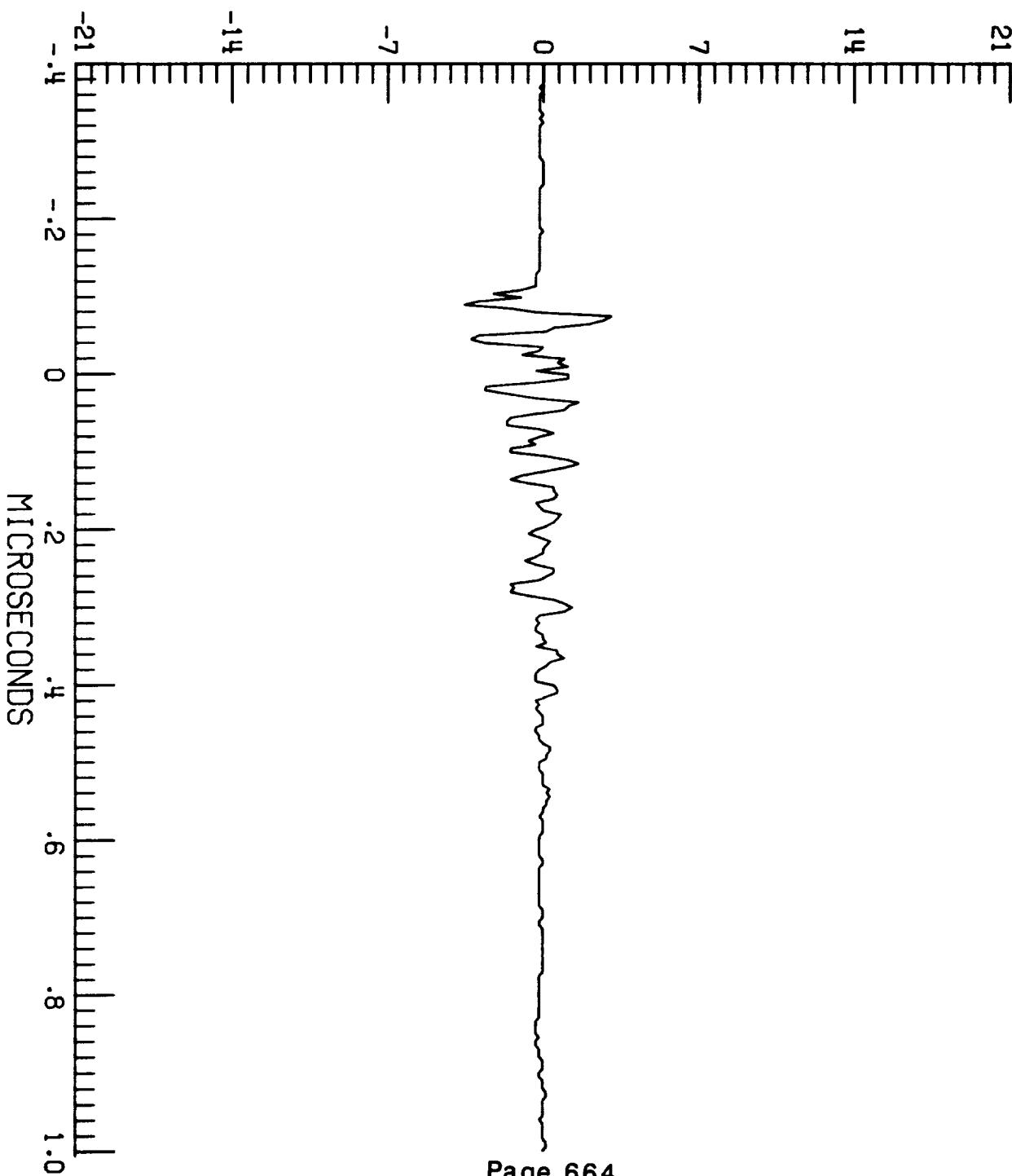
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101 V

22:23:29.3
CHANNEL NO. 4.0



F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A

.27

.18

.09

0

-.18

-.09

-.27
-1.0
-.5

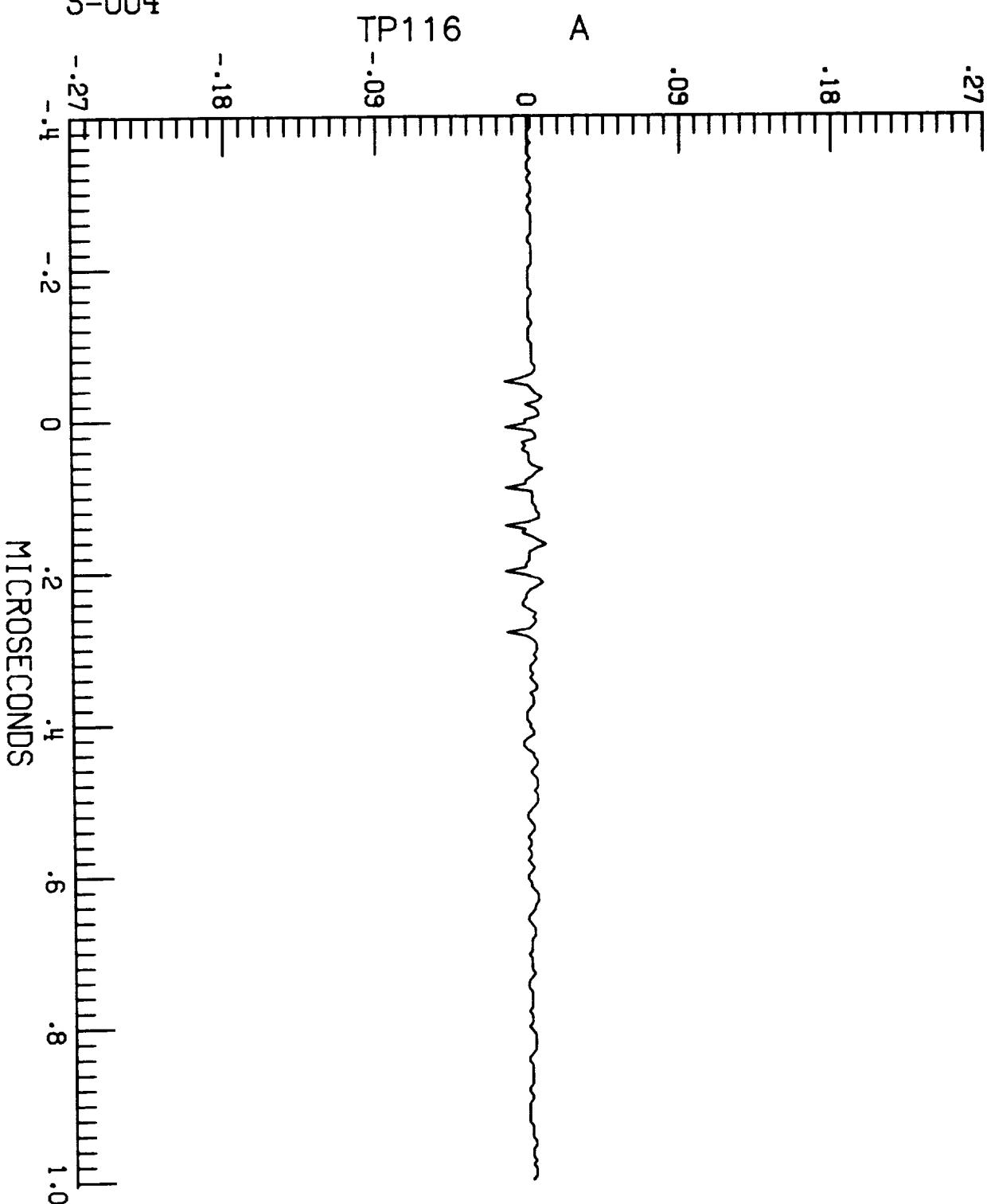
0
.5
1.0
1.5
2.0
2.5
MICROSECONDS

22:23:29.3
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004



22:23:29.3
CHANNEL NO. 4.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP112

A

.09

.18

.27

-.18

-.09

0

-.27

-.4

-.2

0

.2

.4

.6

.8

1.0

MICROSECONDS

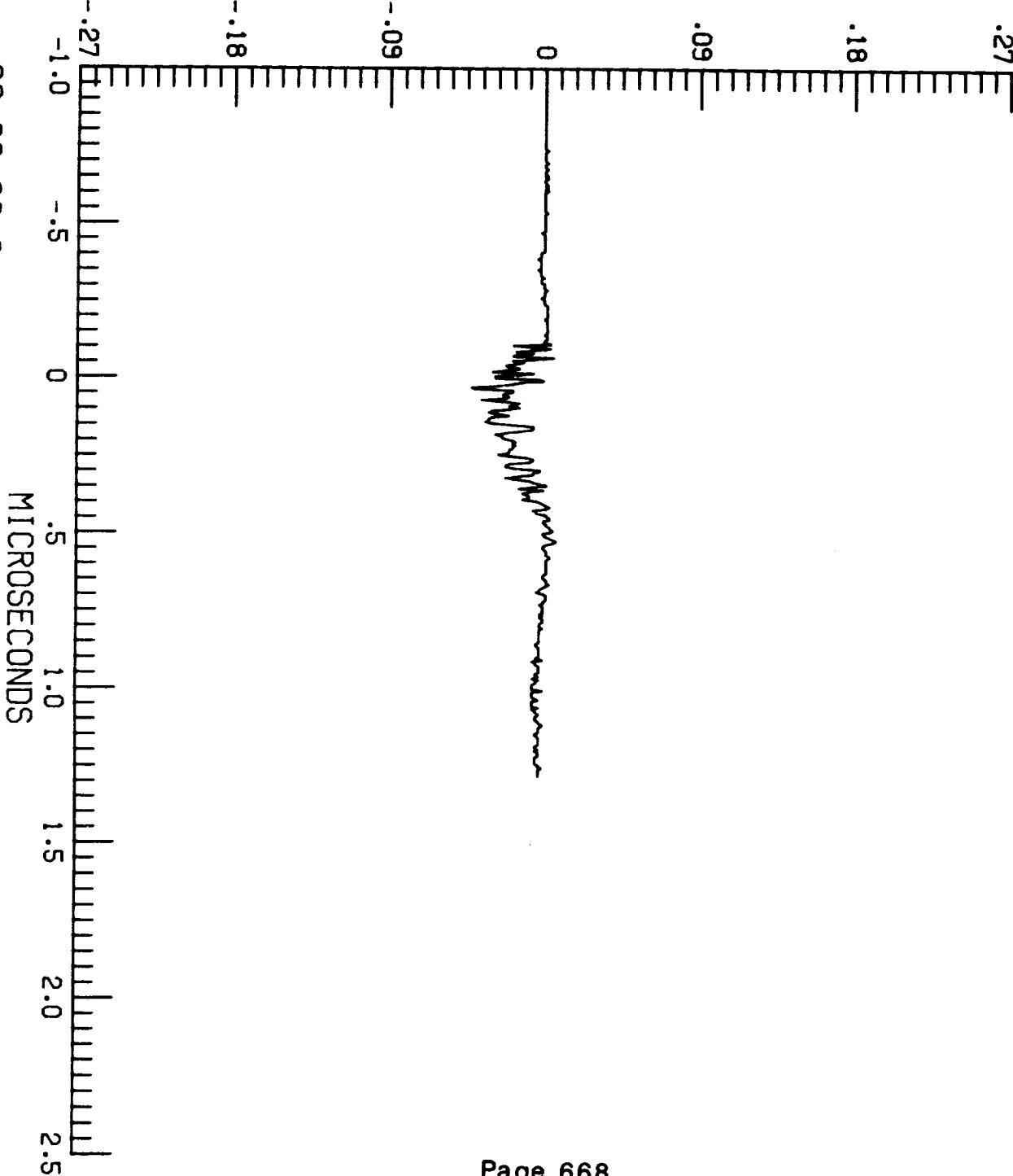
22:23:29.3
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP112 A



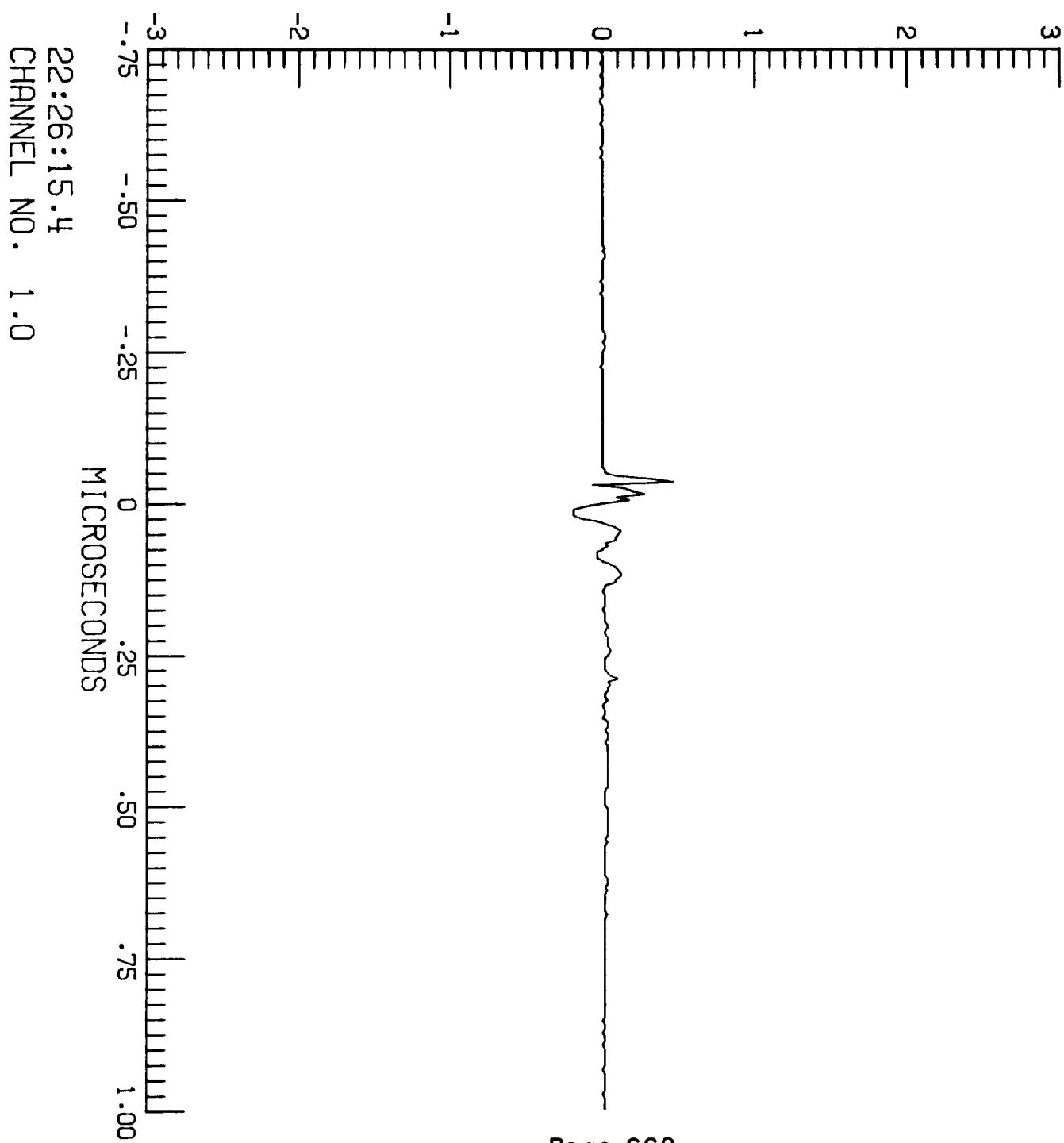
22:23:29.3
CHANNEL NO. 4.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 5

S-006

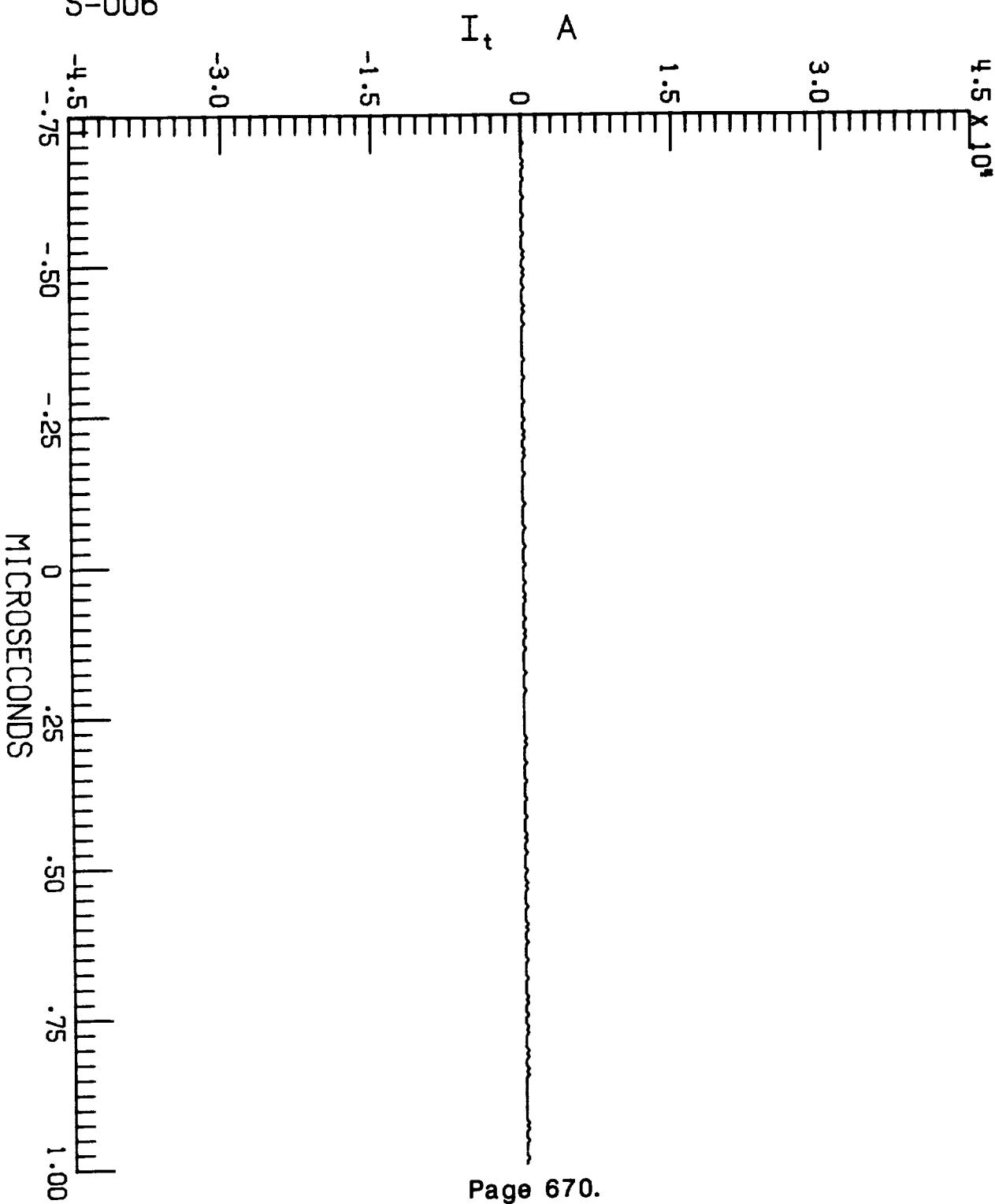
\dot{D}_t A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 1 RUN NO. 5

S-006

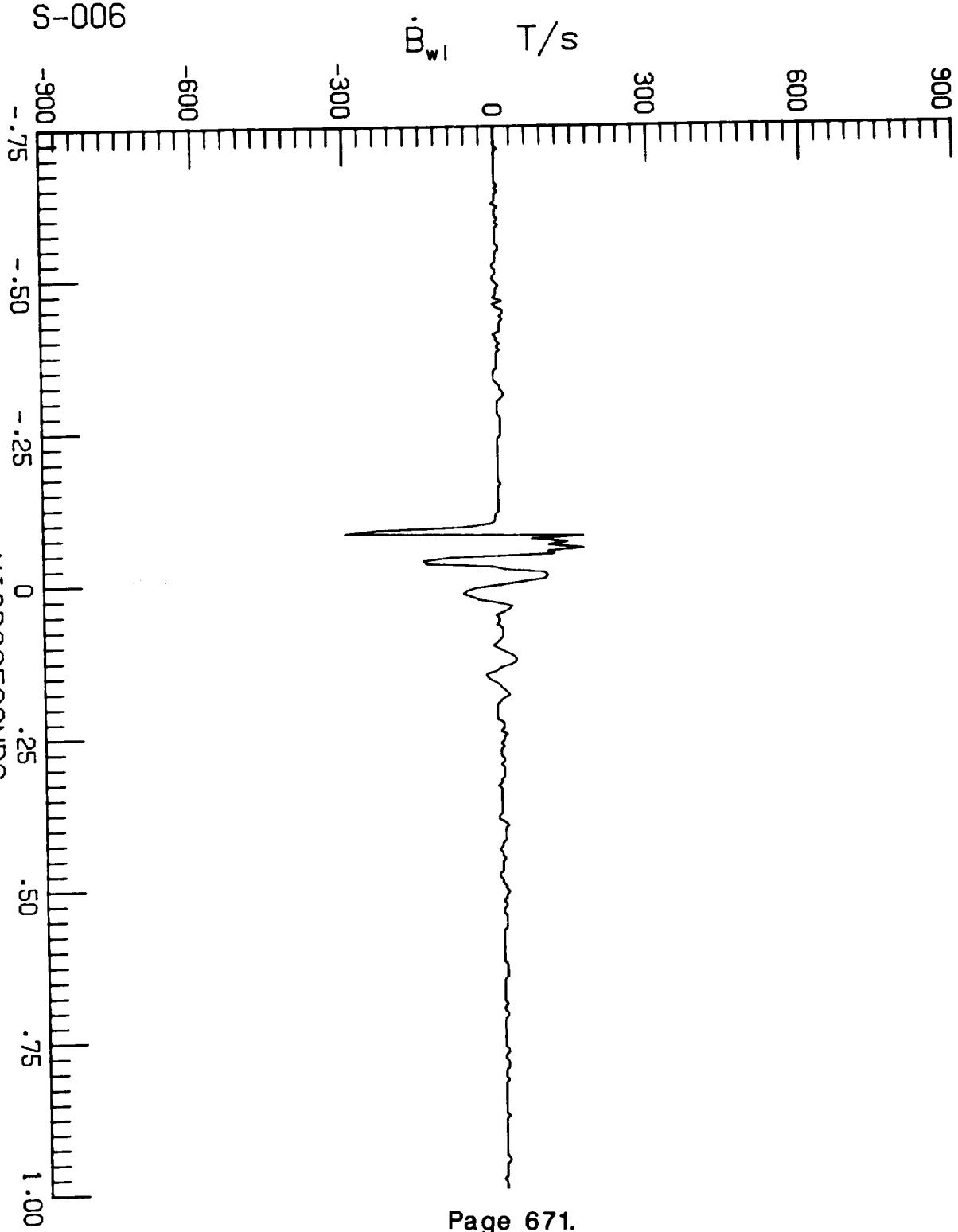


22:26:15.4
CHANNEL NO. 1.2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 2 RUN NO. 5

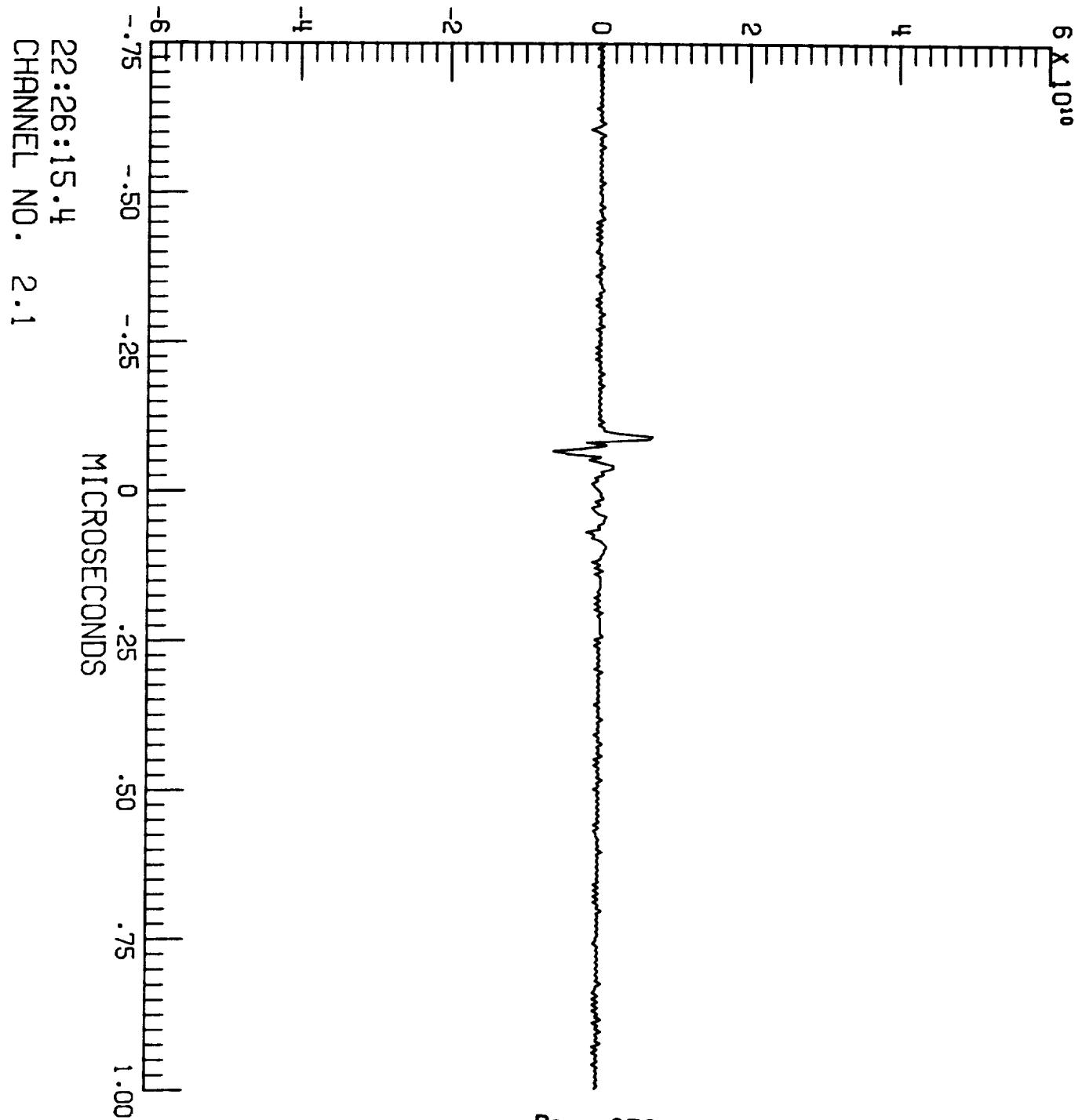
S-006



22:26:15.4
CHANNEL NO. 2.0

F106 LIGHTNING/85-033/ZAEPFEL
LEC 2 RUN NO. 5
S-006

\dot{I} A/s

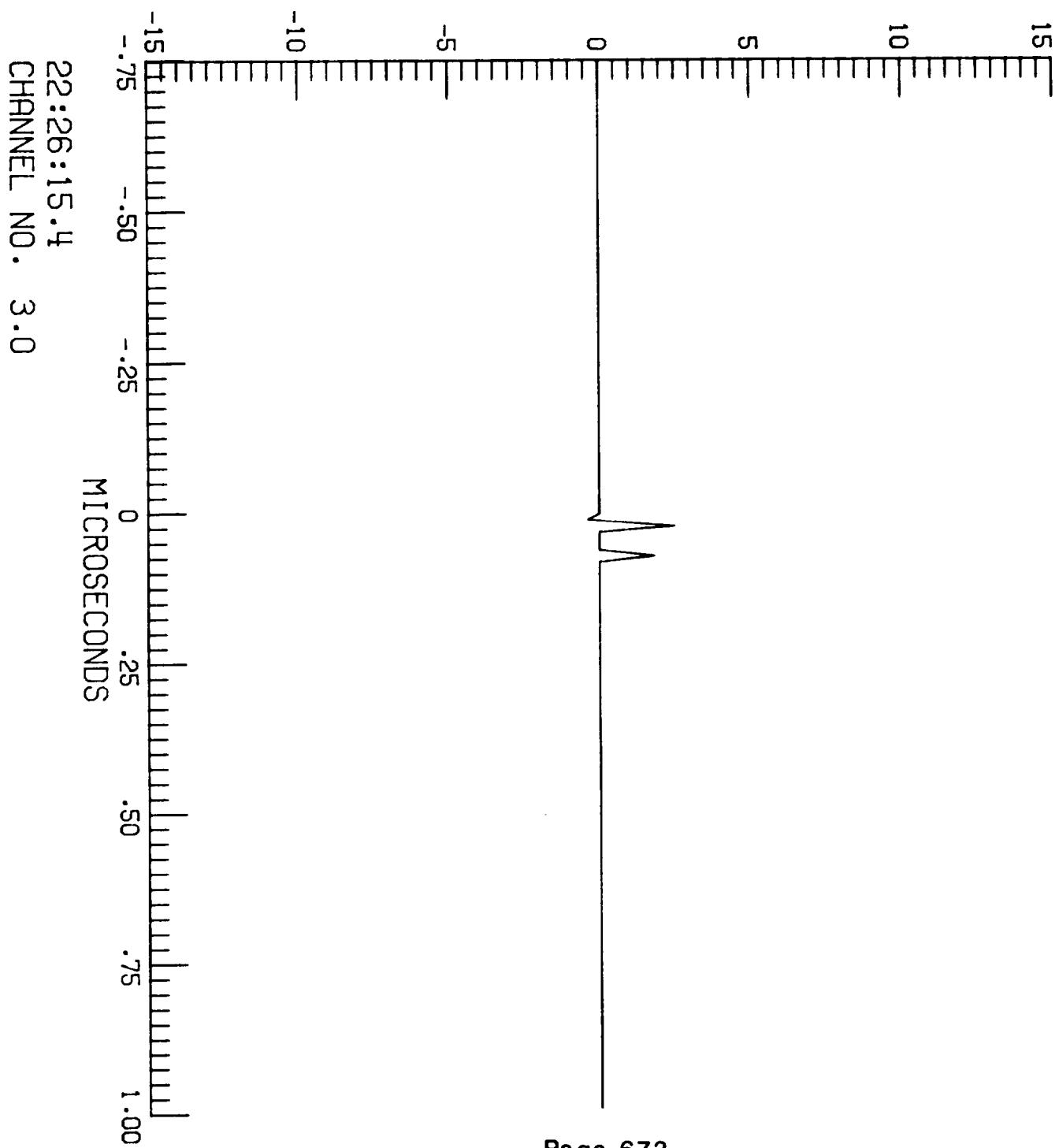


F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 5

S-006

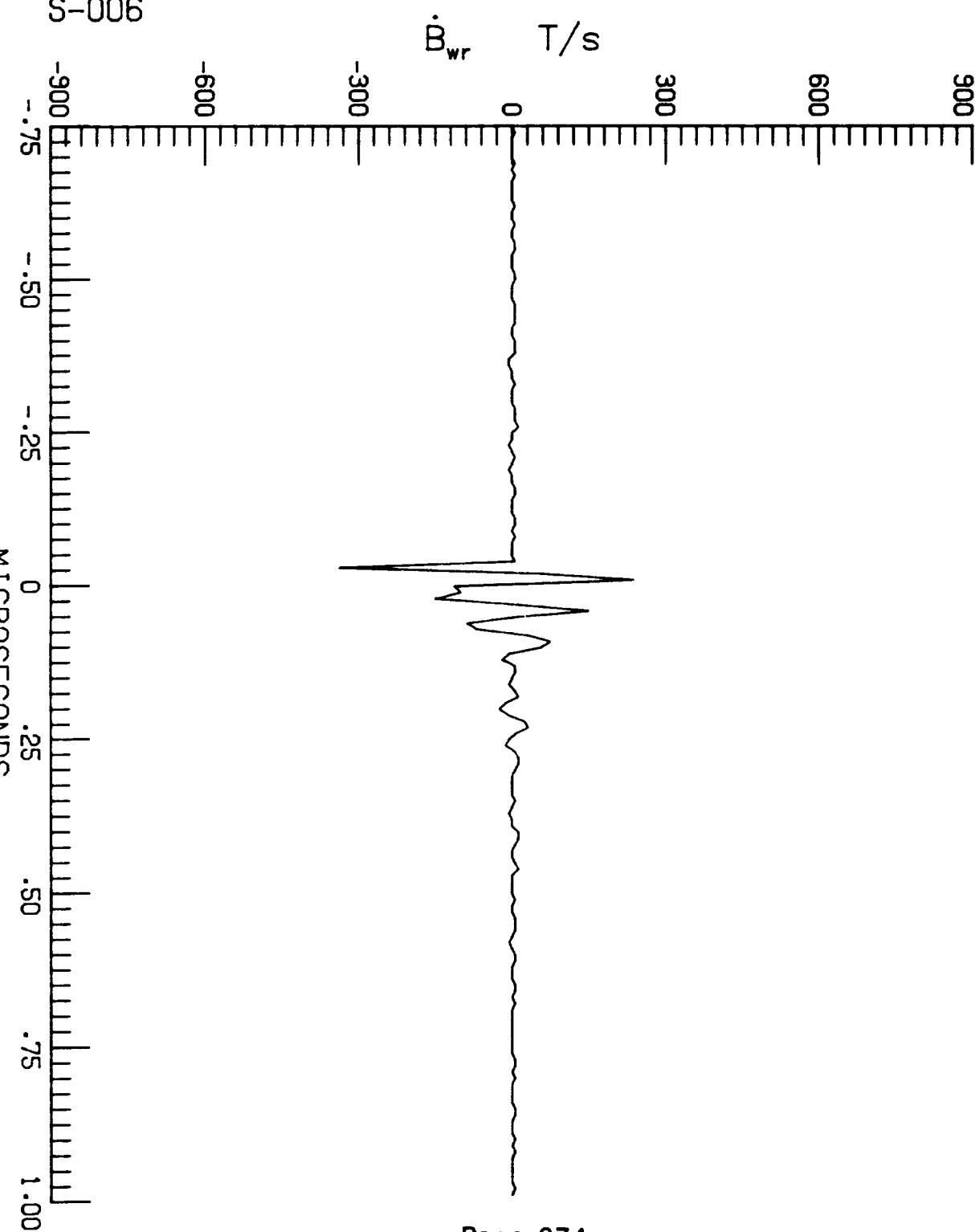
\dot{D}_{wr} A/m²



F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 5

S-006



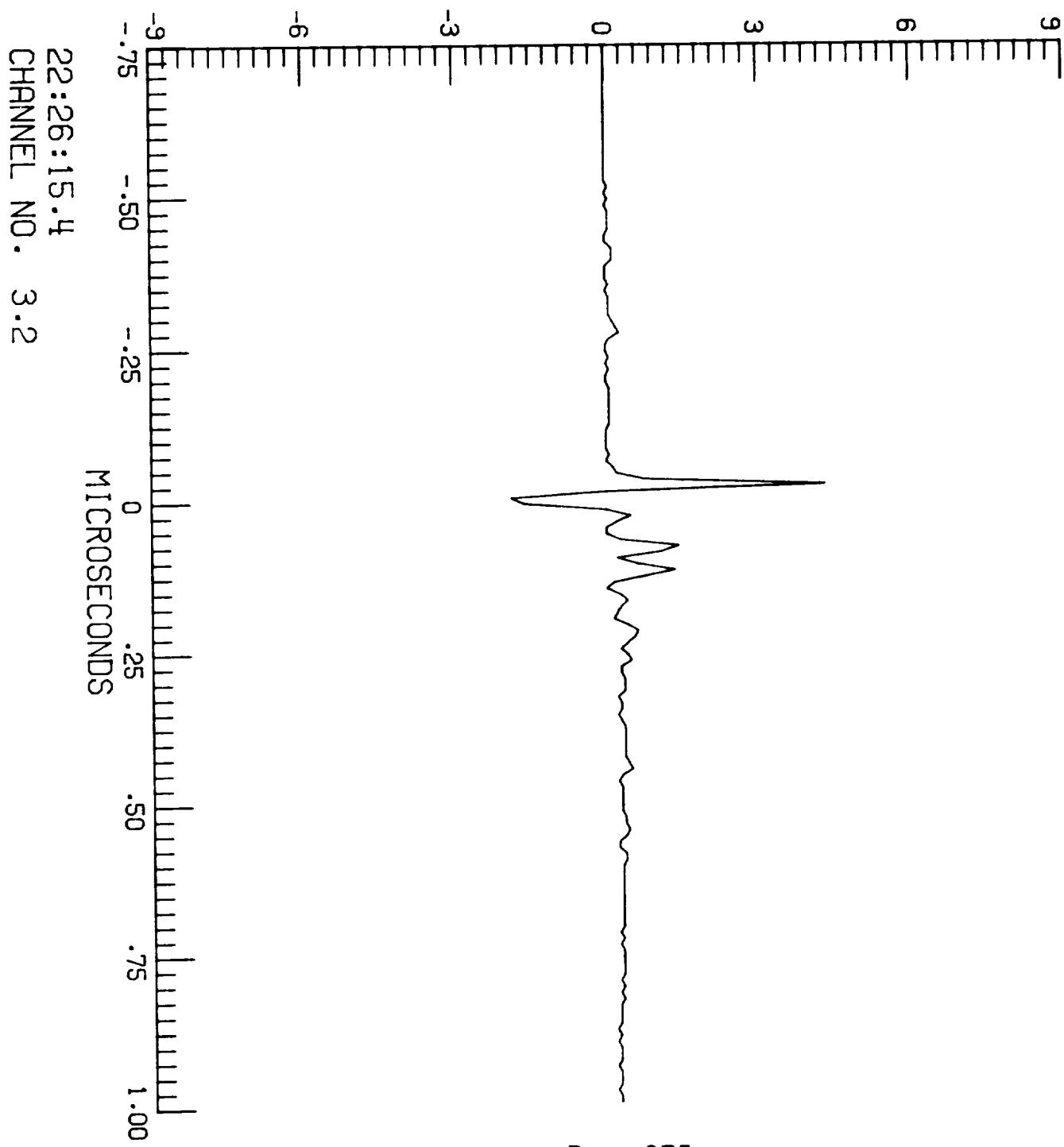
22:26:15.4
CHANNEL NO. 3.1

F106 LIGHTNING/85-033/ZAEPFEL

LEC 3 RUN NO. 5

S-006

\dot{D}_f A/m²



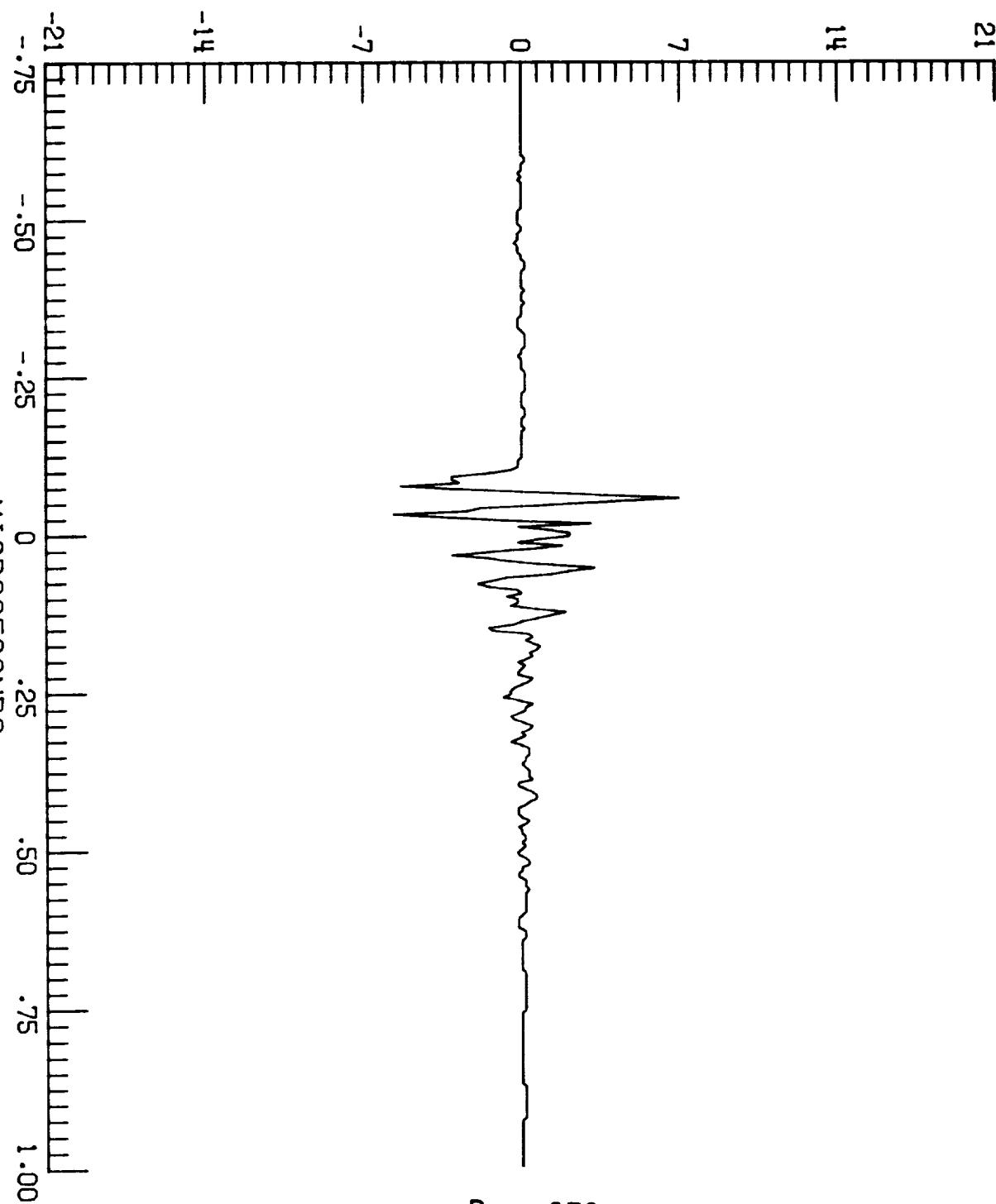
22:26:15.4
CHANNEL NO. 3..2

F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 5

S-006

TP101 V



22:26:15.4
CHANNEL NO. 4.0

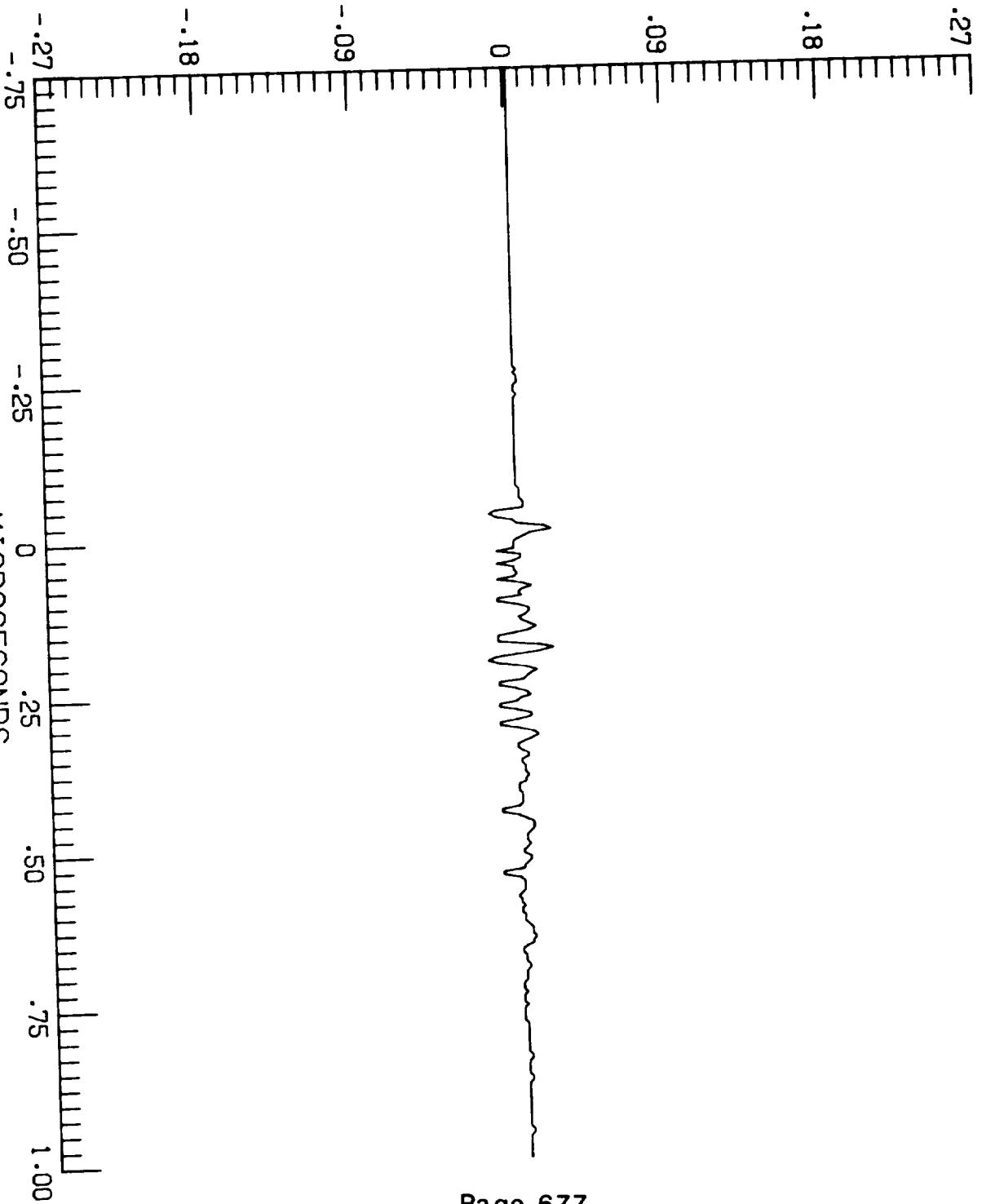
F106 LIGHTNING/85-033/ZAEPFEL

LEC 4 RUN NO. 5

S-006

TP116

A



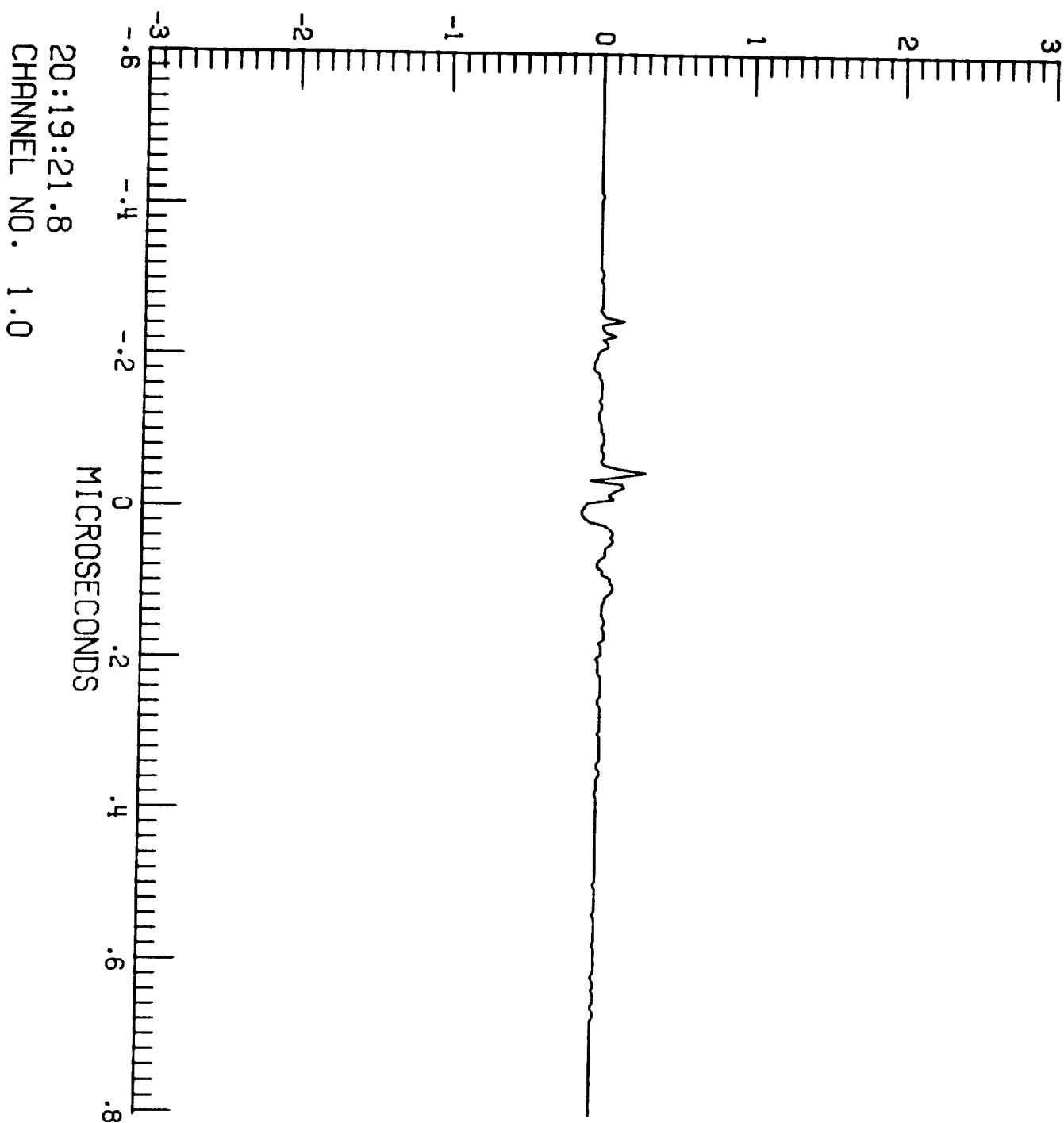
22:26:15.4
CHANNEL NO. 4..1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 1

S-001

\dot{D}_t A/m²



F106 LIGHTNING/85-035/ZAEPFEL

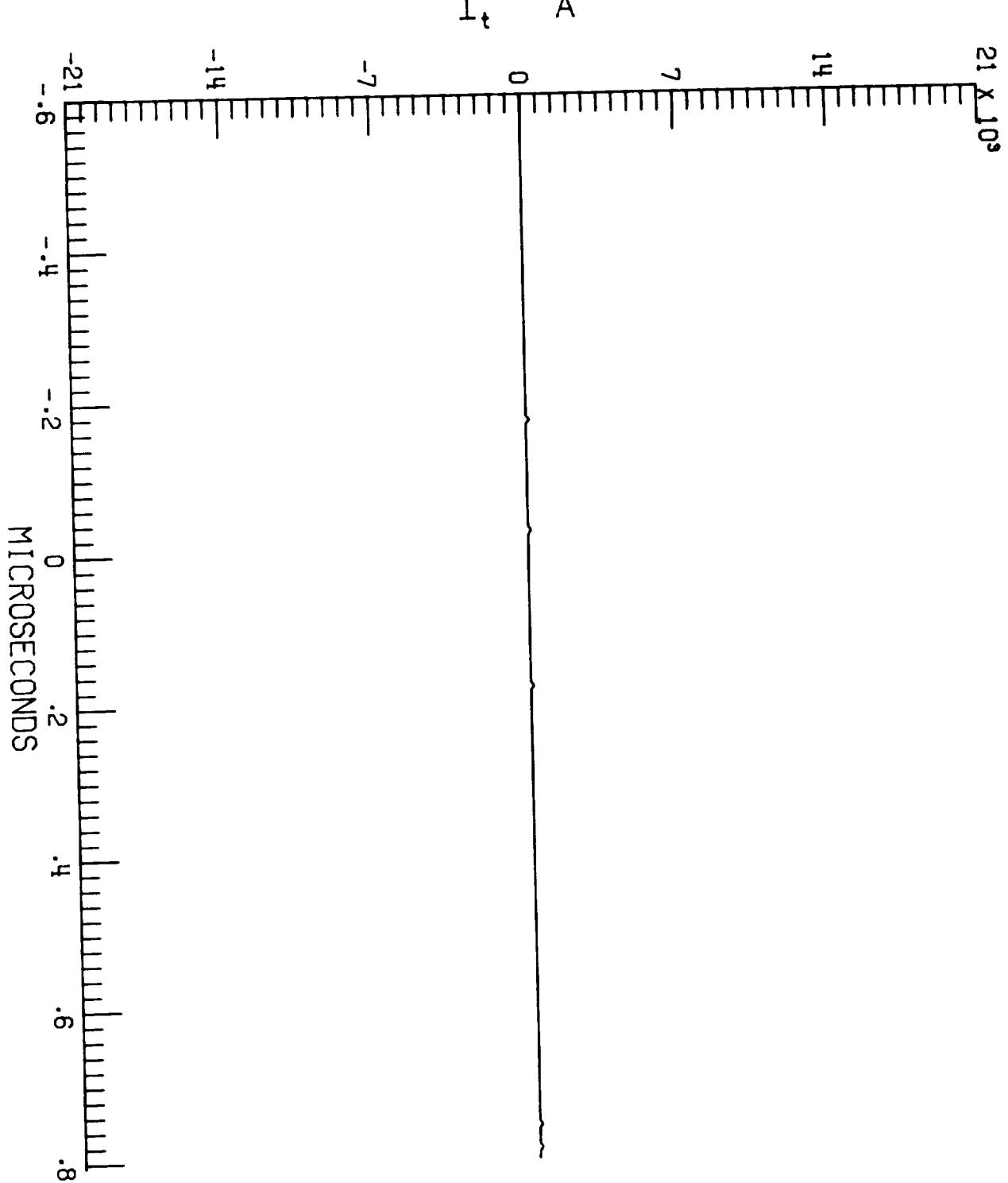
LEC 1 RUN NO. 1

S-001

I_t A

21×10^3

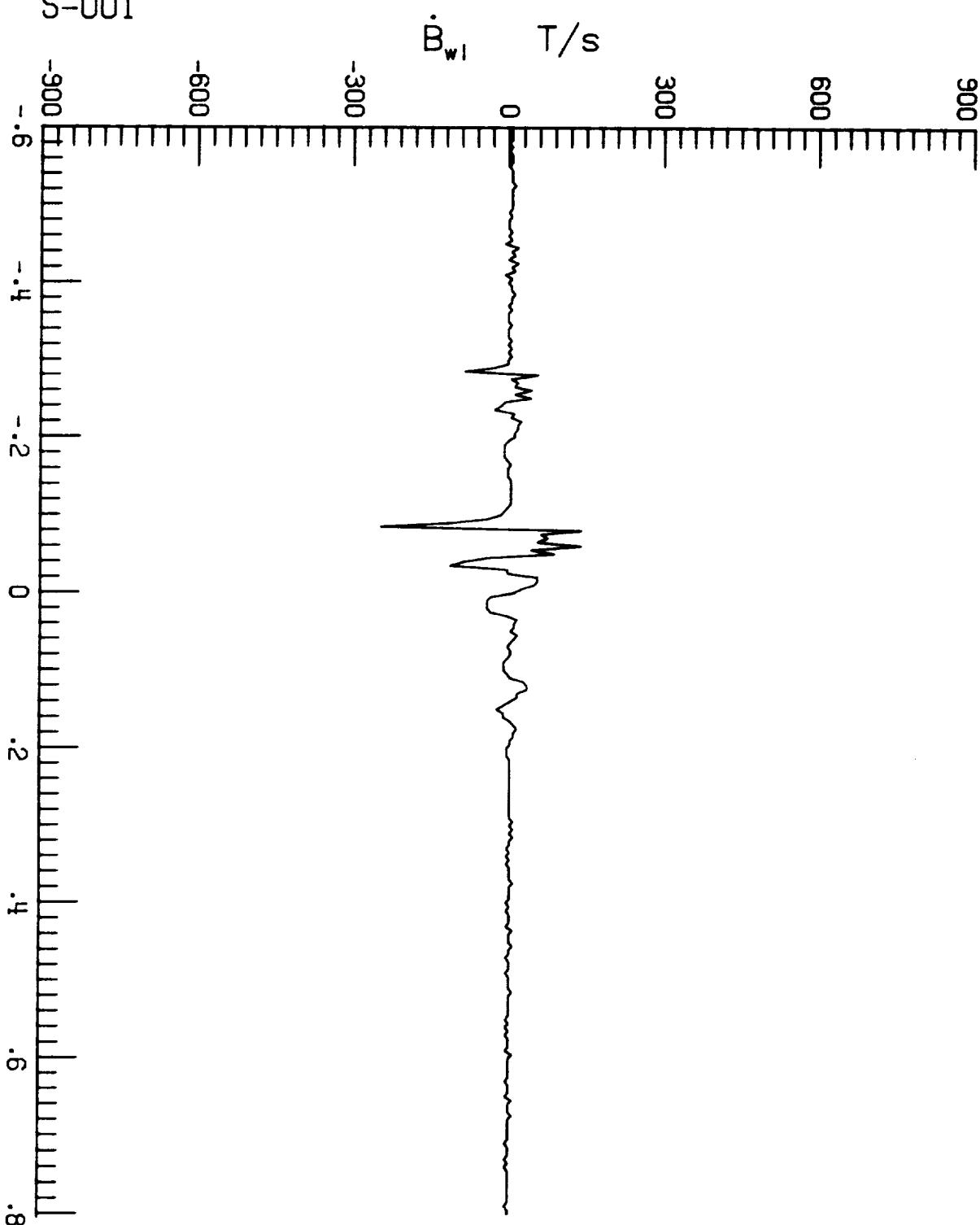
20:19:21.8
CHANNEL NO. 1.2



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 1

S-001



20:19:21.8
CHANNEL NO. 2.0

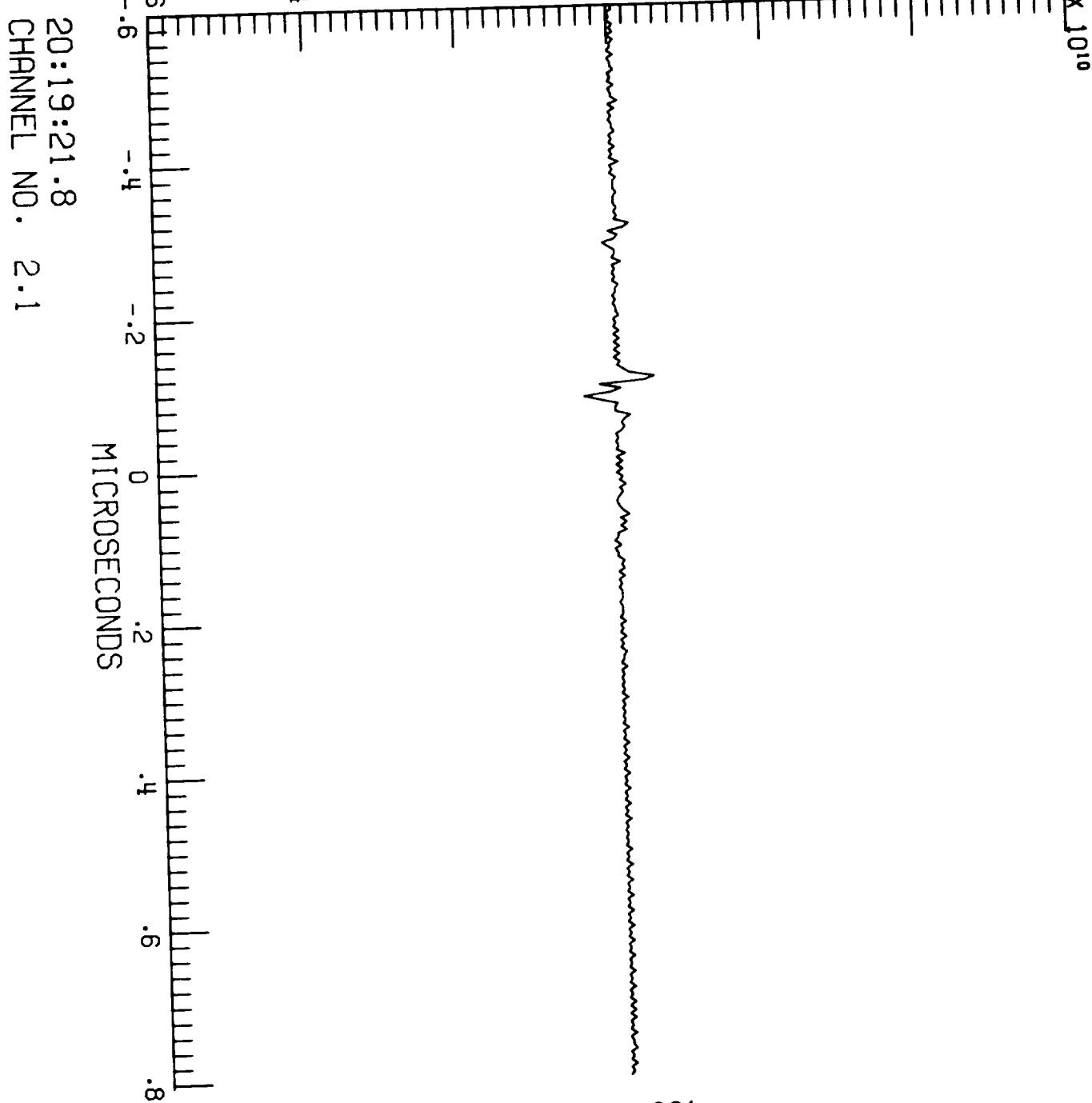
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 1

S-001

$\frac{dI}{dt}$ A/s

6×10^{10}

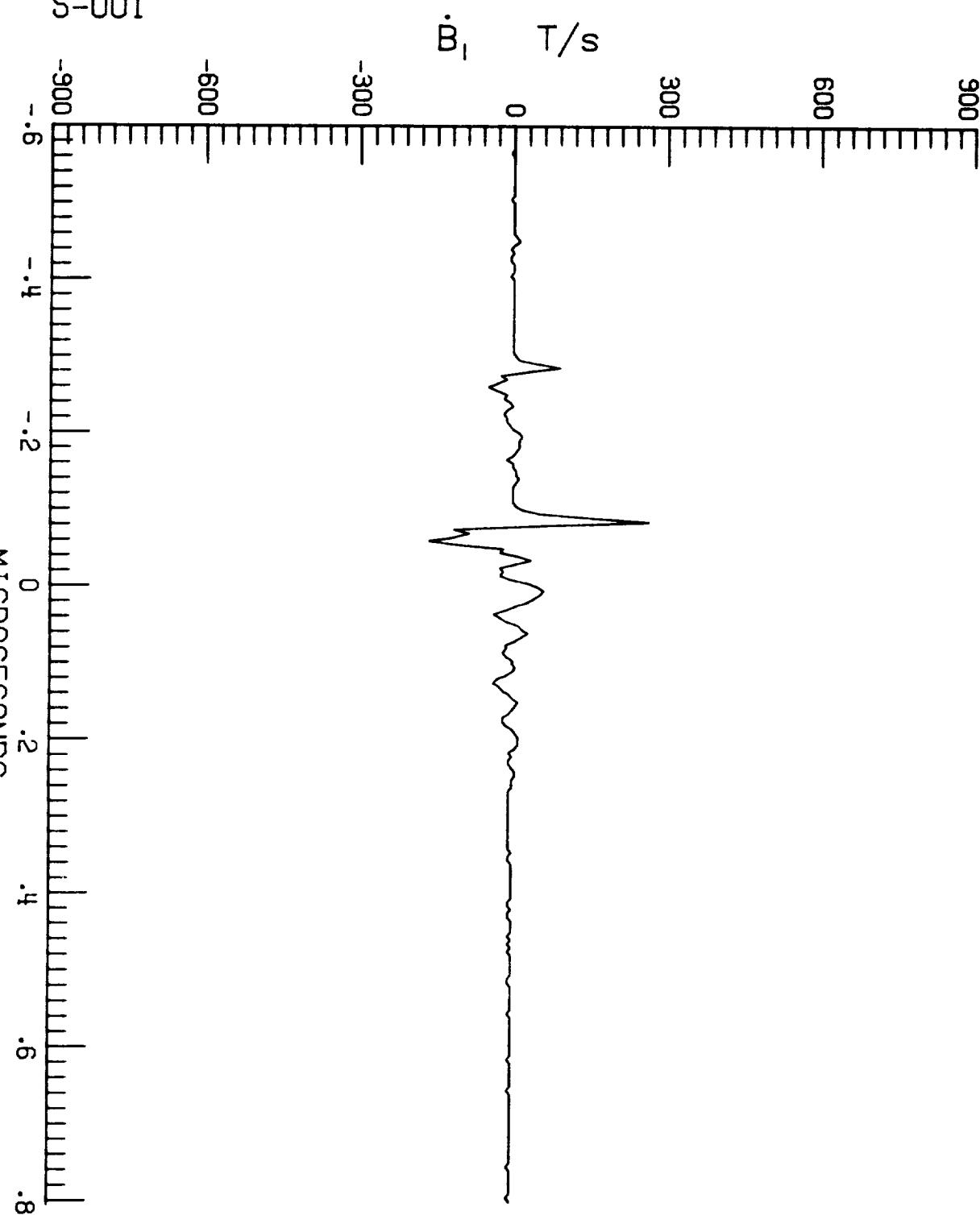


20:19:21.8
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 1

S-001



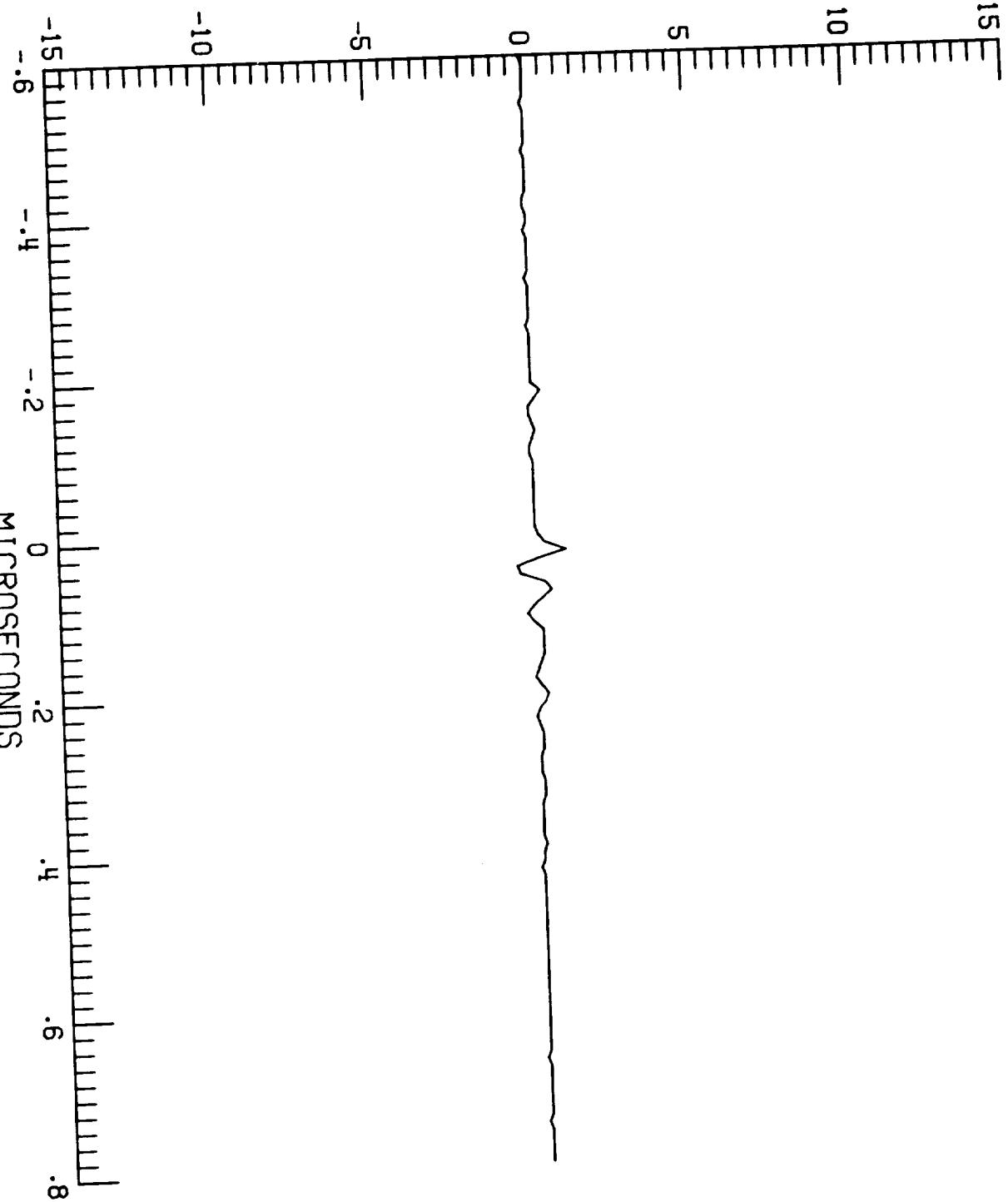
20:19:21.8
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 1

S-001

\dot{D}_{wr} A/m²

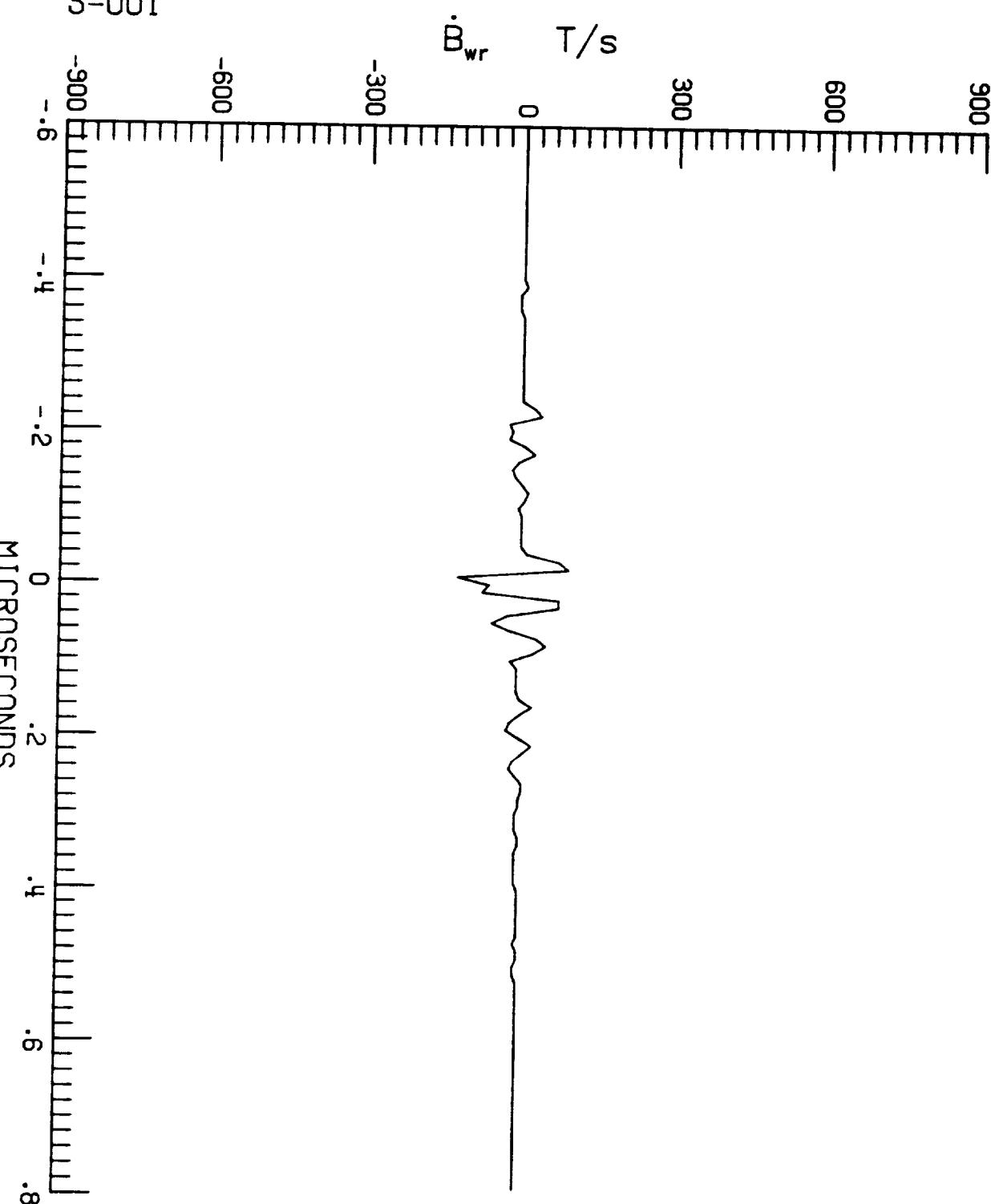


20:19:21.8
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 1

S-001



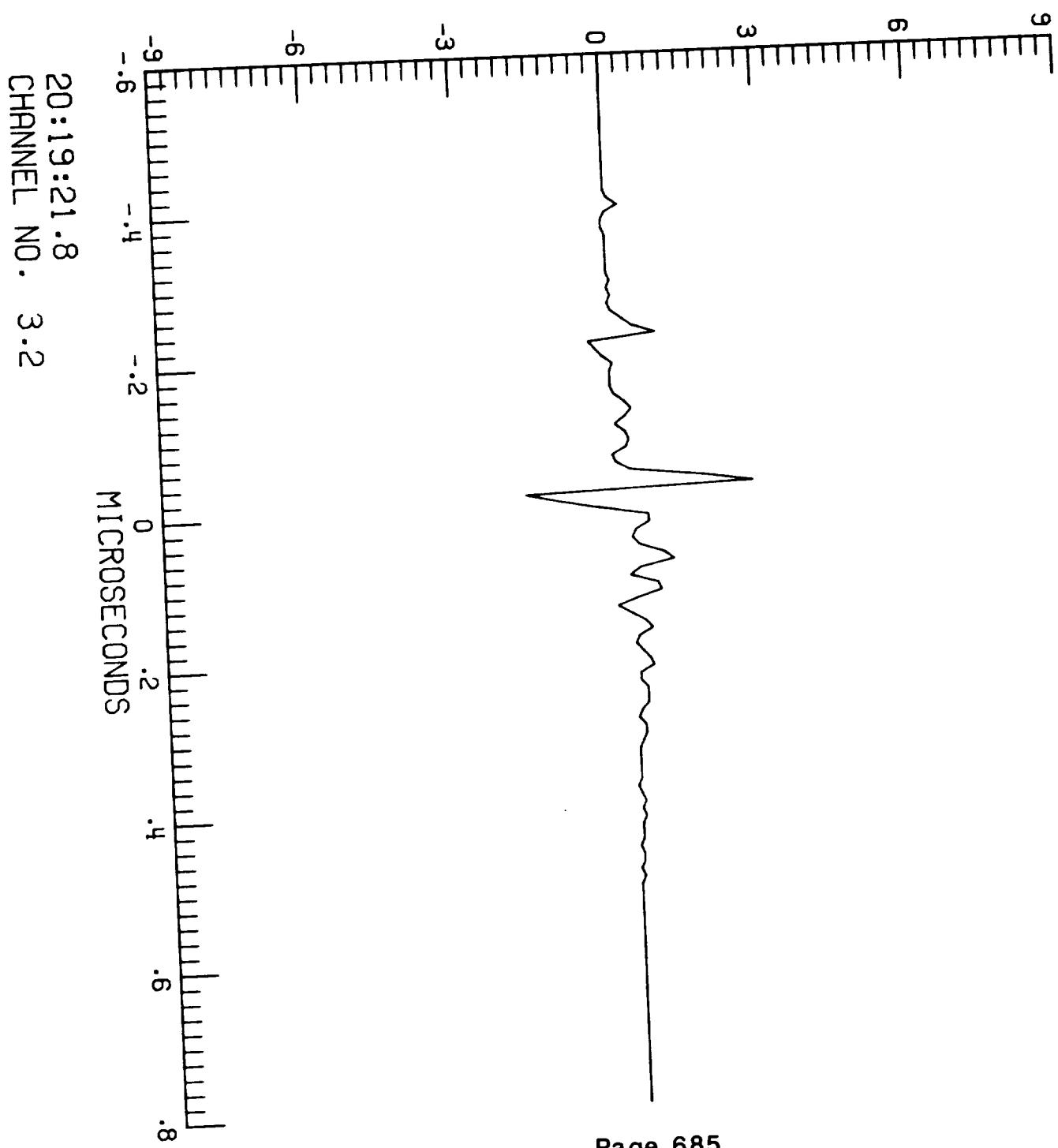
20:19:21.8
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 1

S-001

\dot{D}_t A/m²



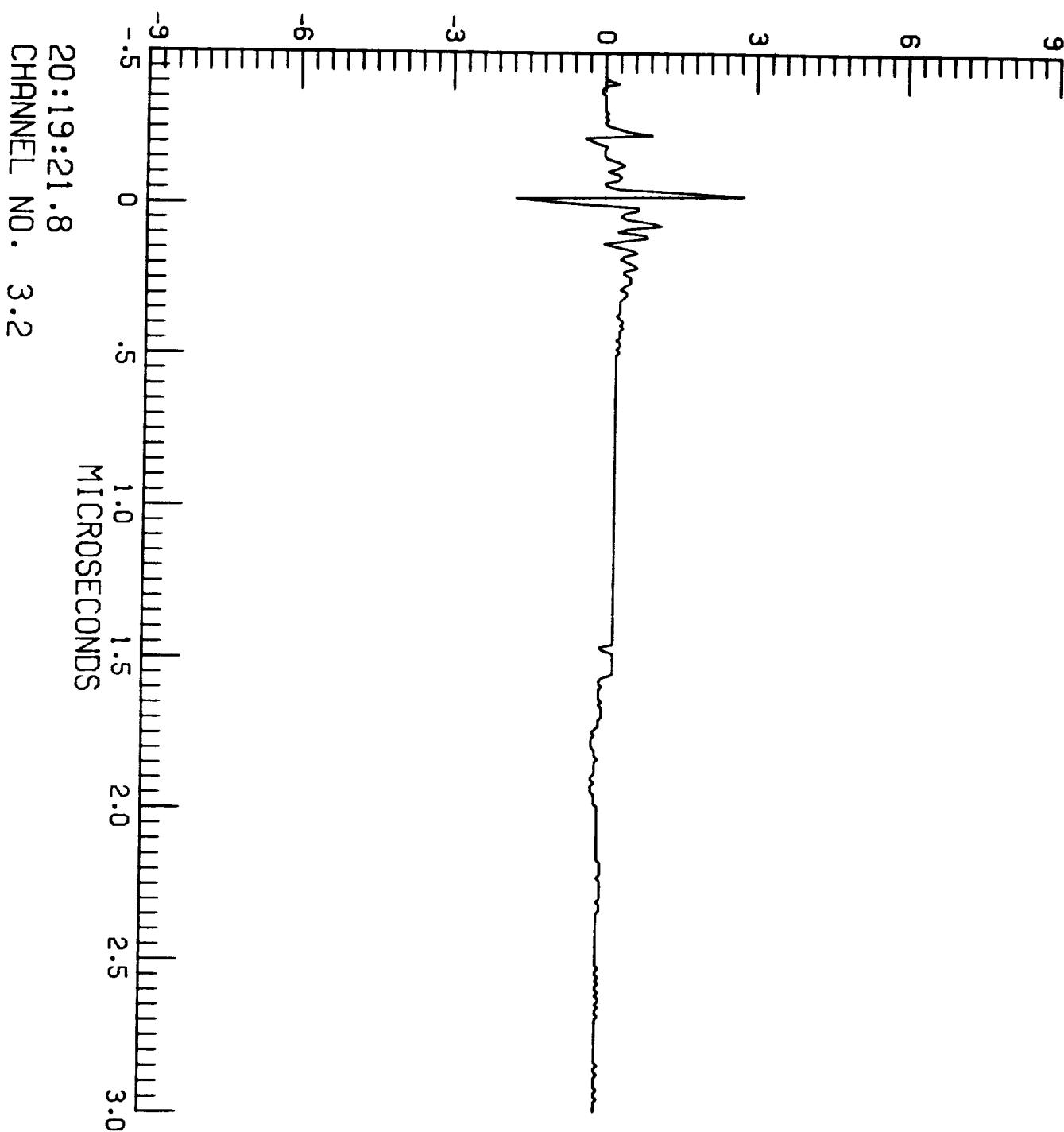
20:19:21.8
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 1

S-001

\dot{D}_f A/m²



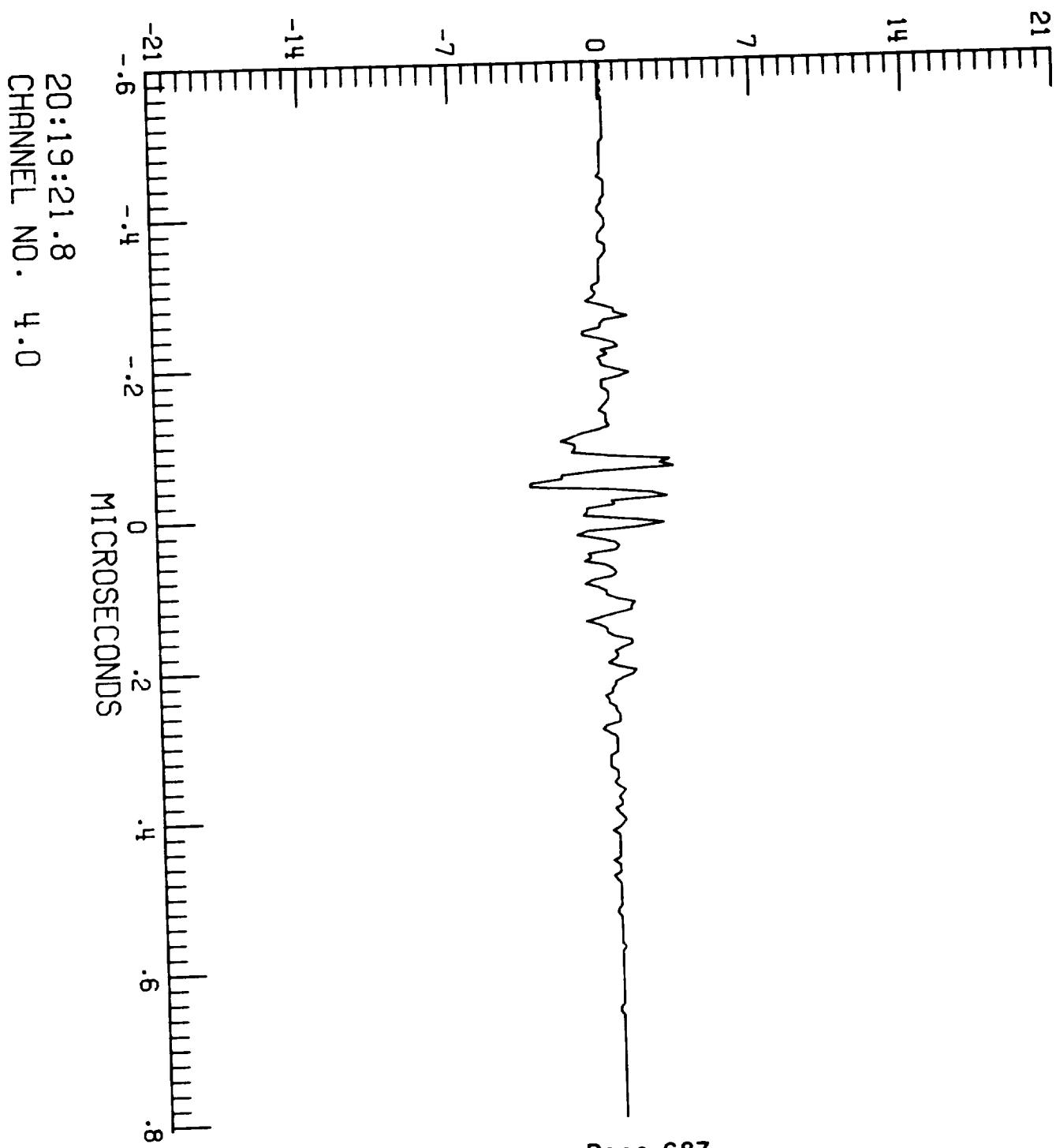
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP101

V



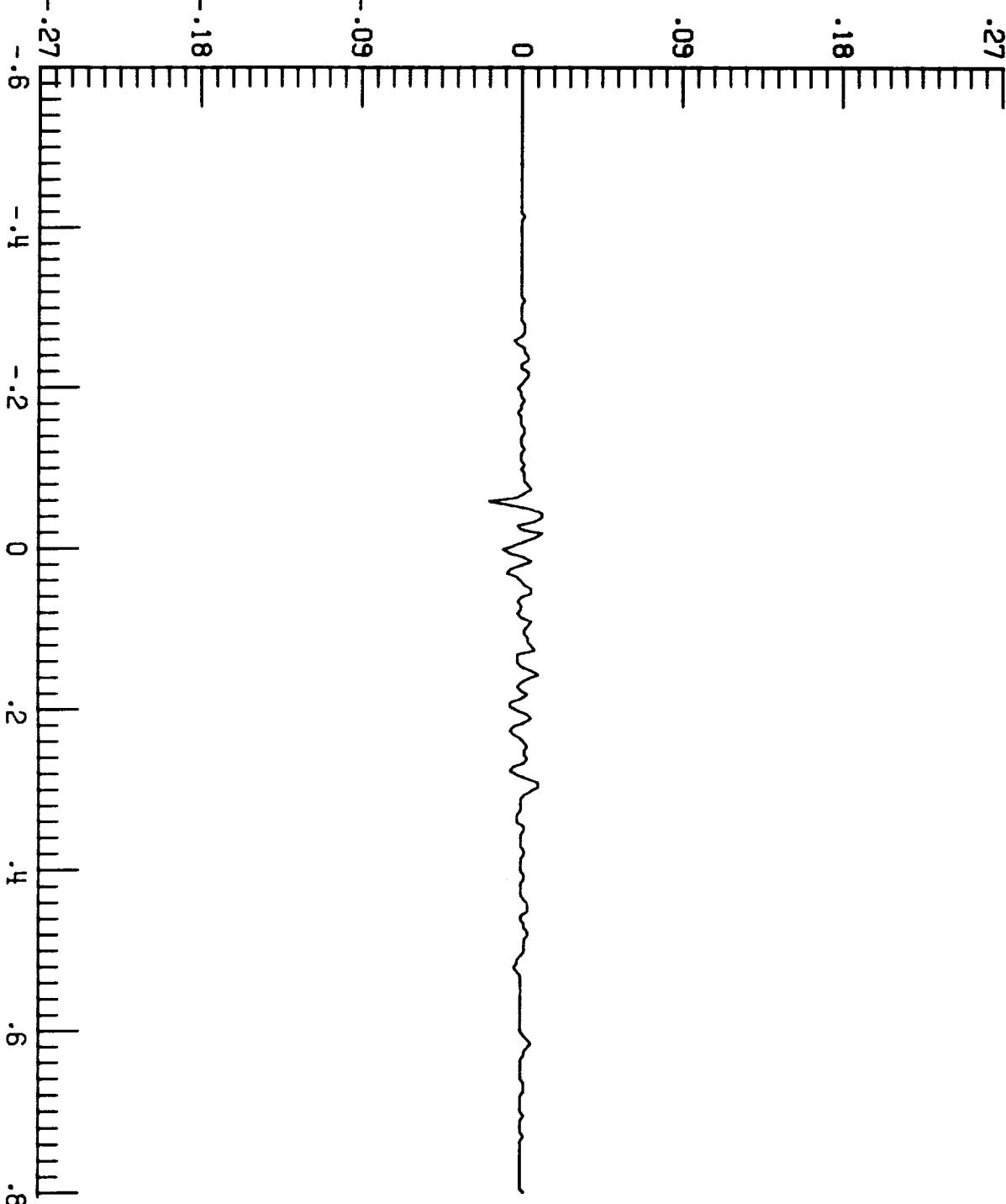
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP116

A



20:19:21.8
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 1

S-001

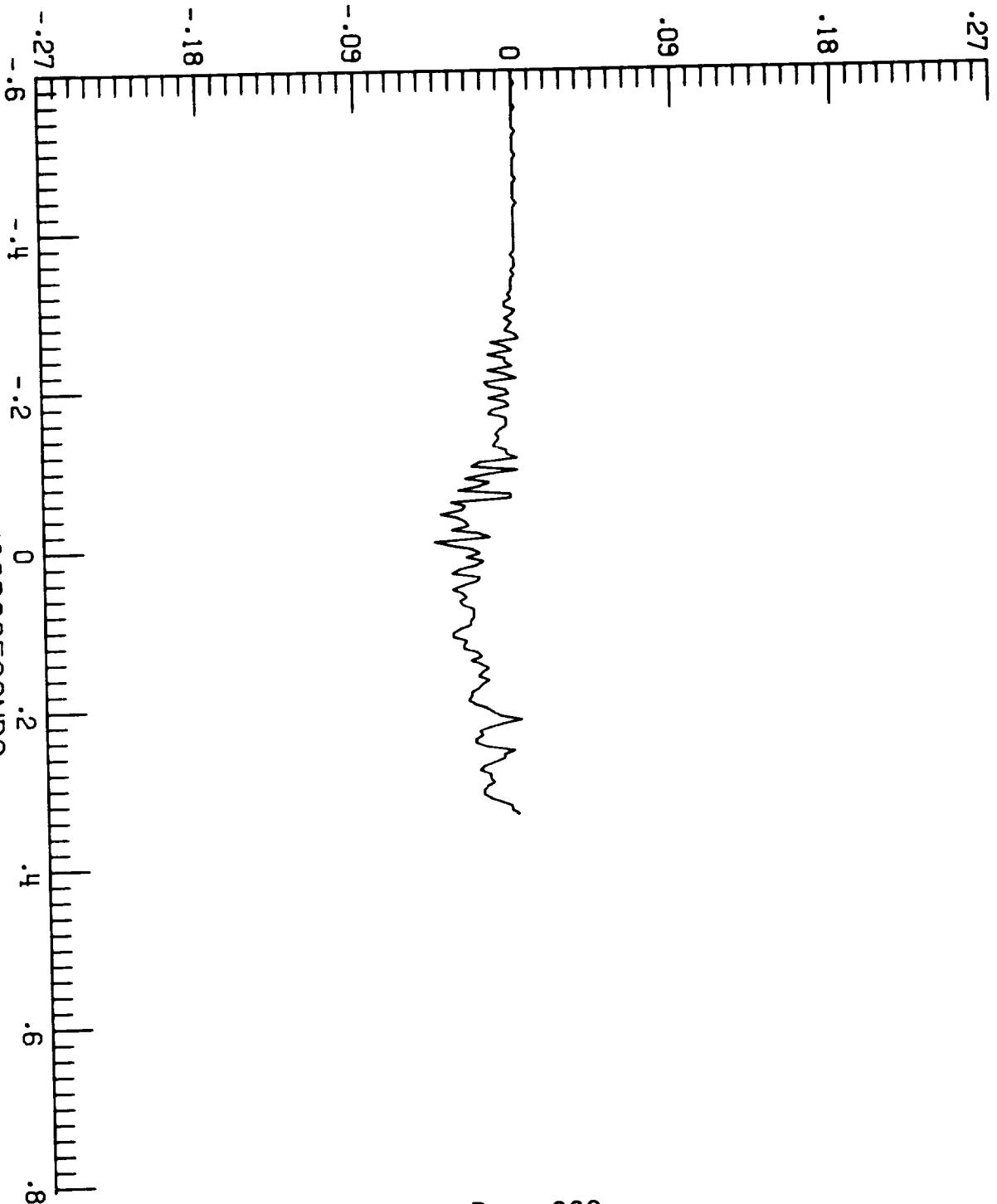
TP112

A

.09

.18

.27



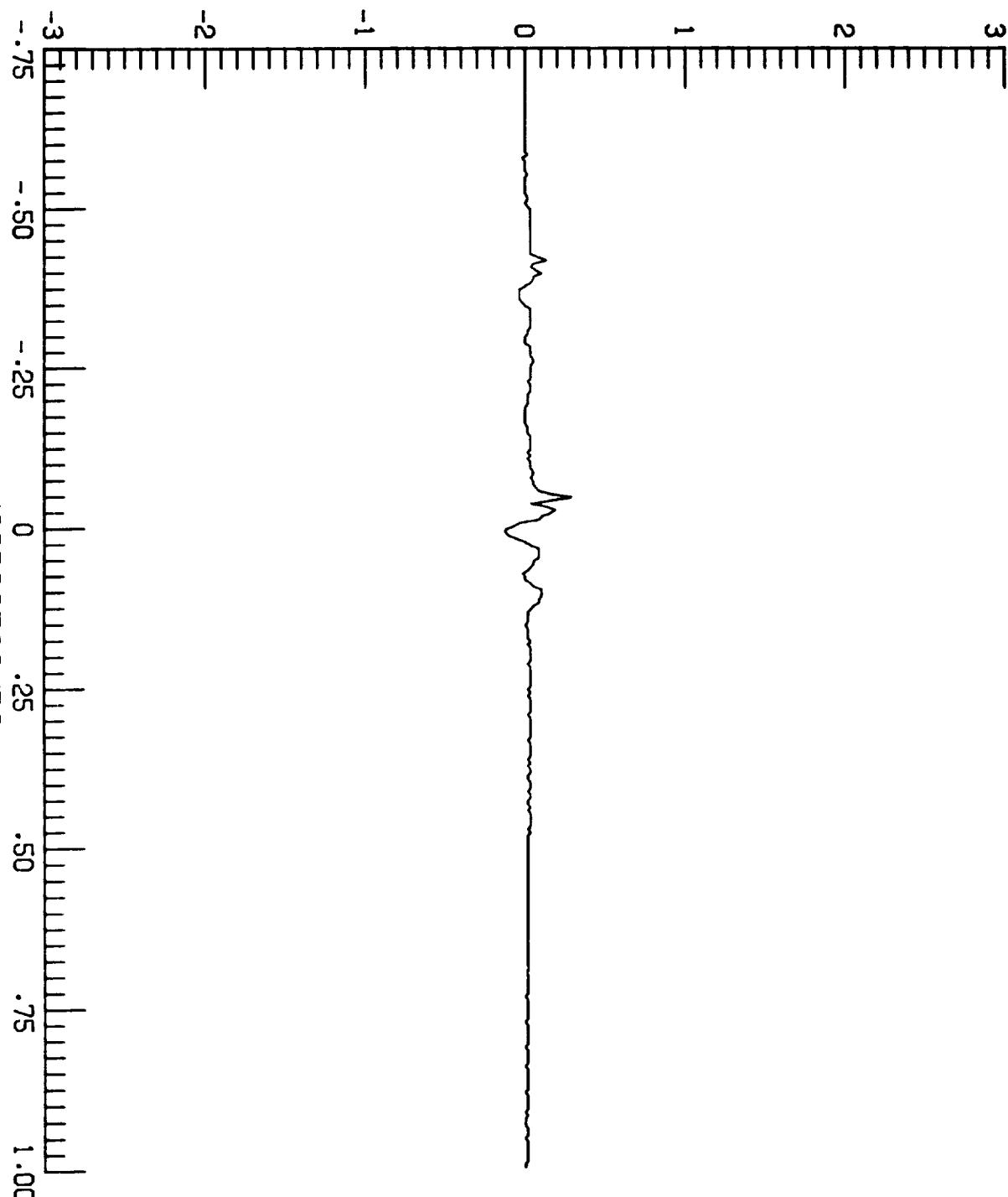
20:19:21.8
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 2

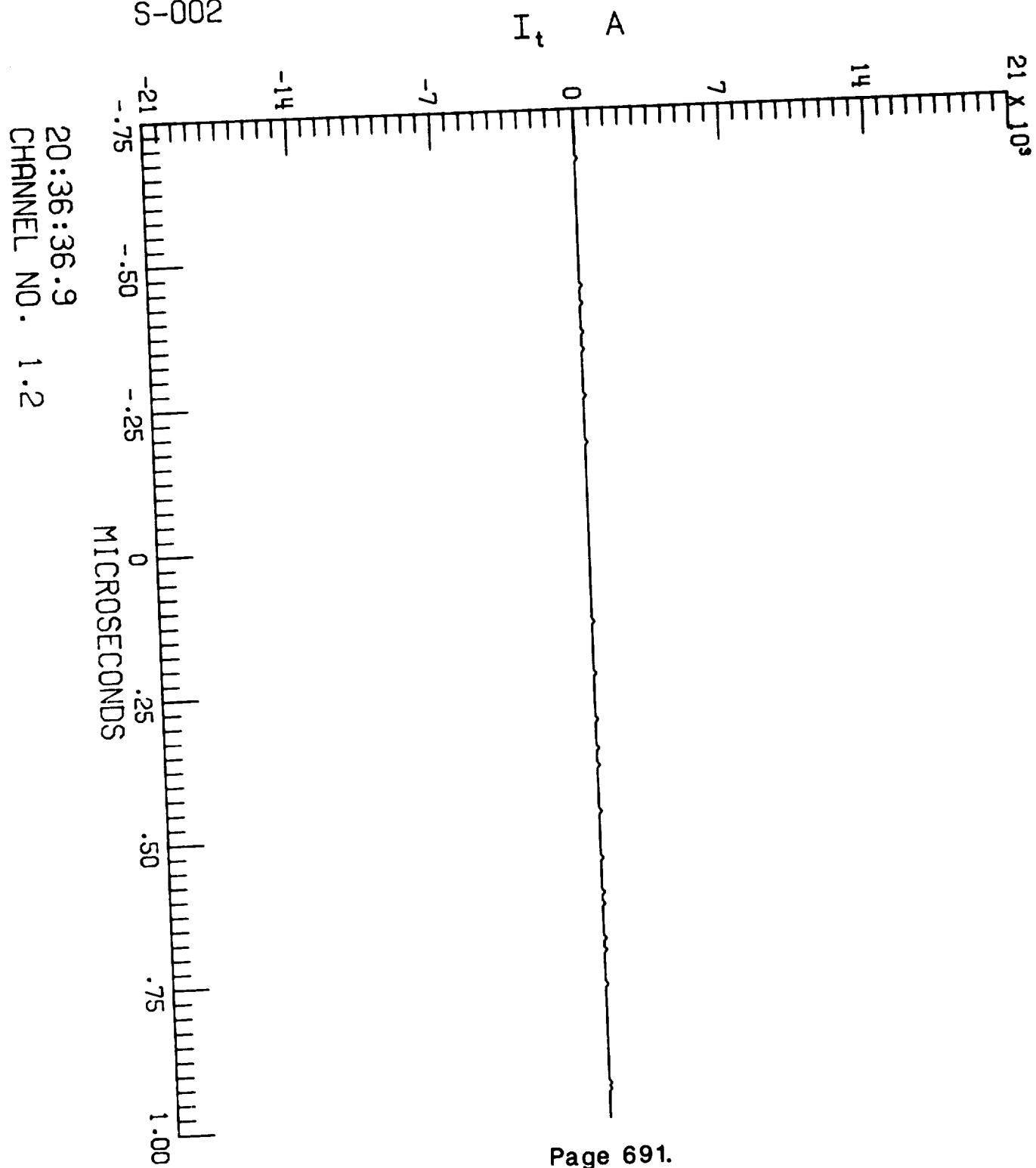
S-002

\dot{D}_t A/m²



20:36:36.9
CHANNEL NO. 1.0

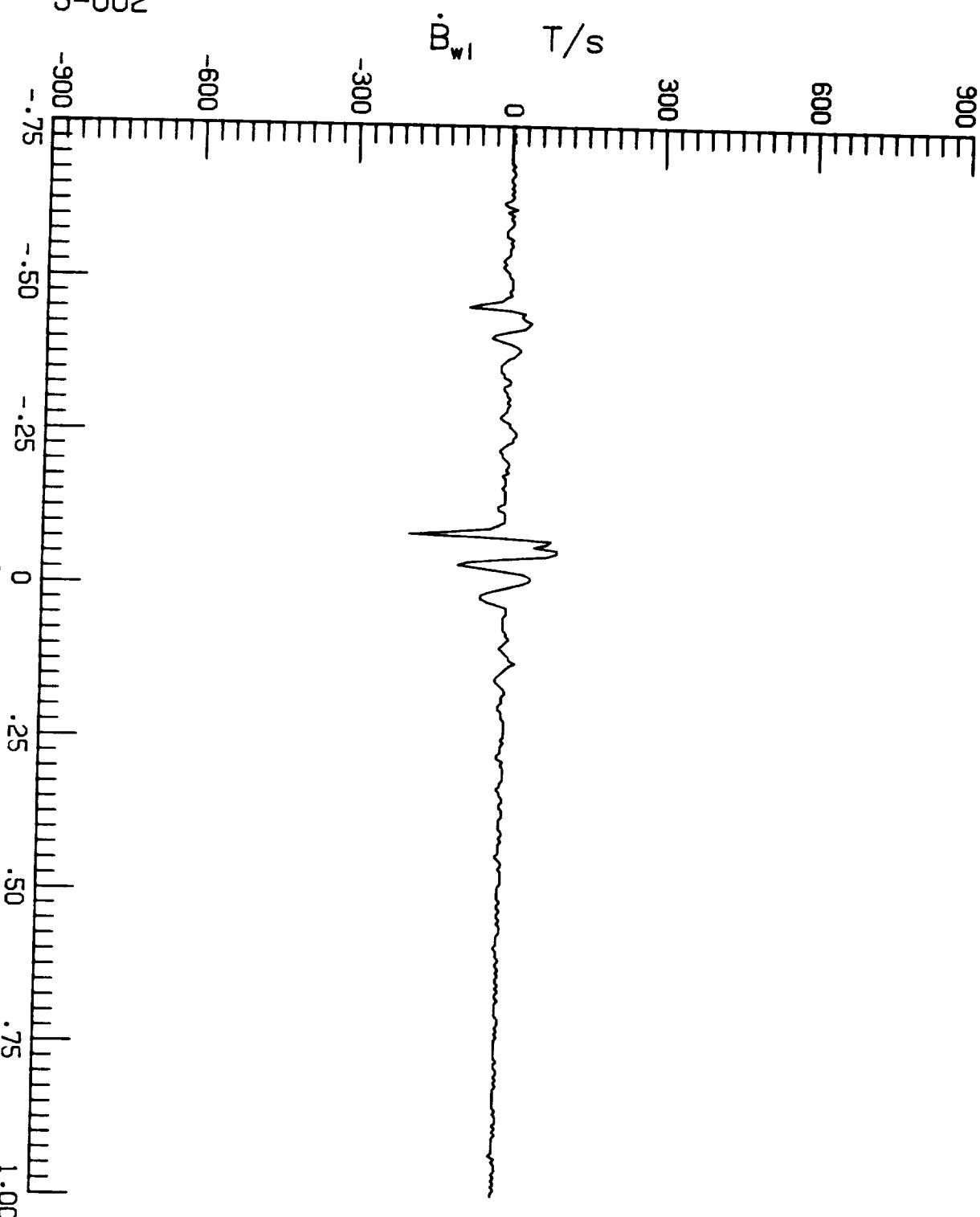
F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 2
S-002



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 2

S-002



20:36:36.9
CHANNEL NO. 2.0

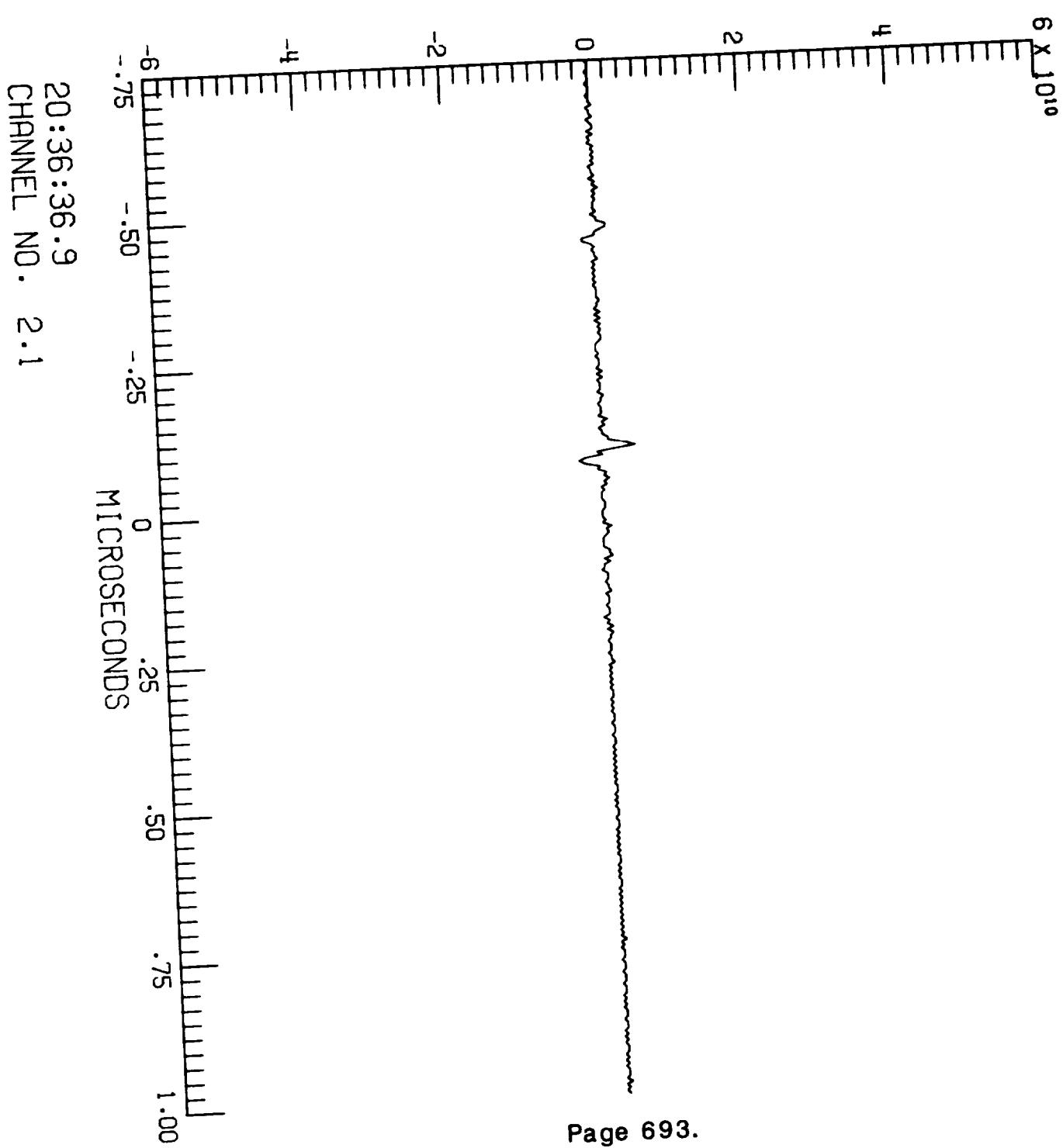
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 2

S-002

\dot{I} A/s

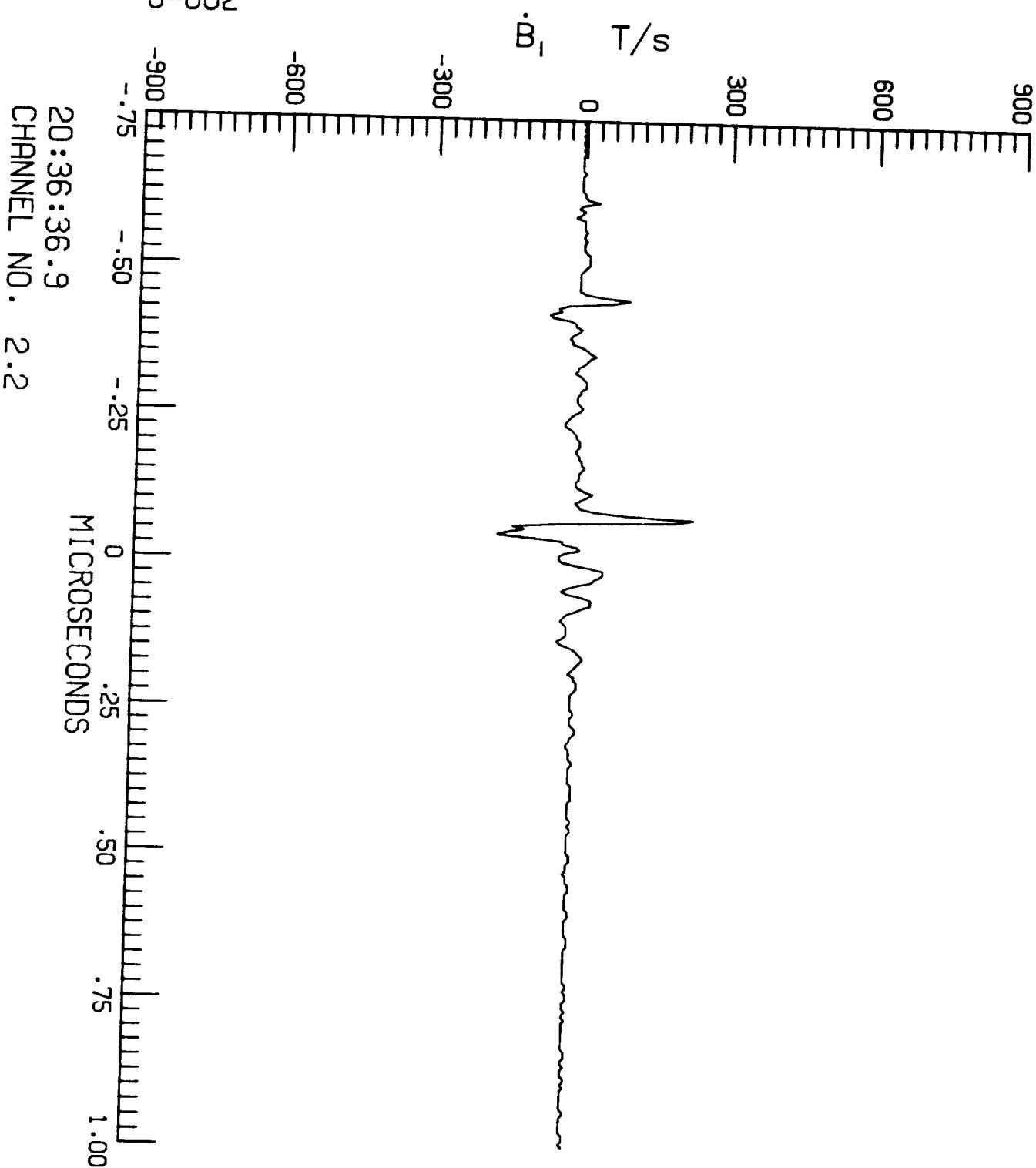
6×10^{10}



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 2

S-002

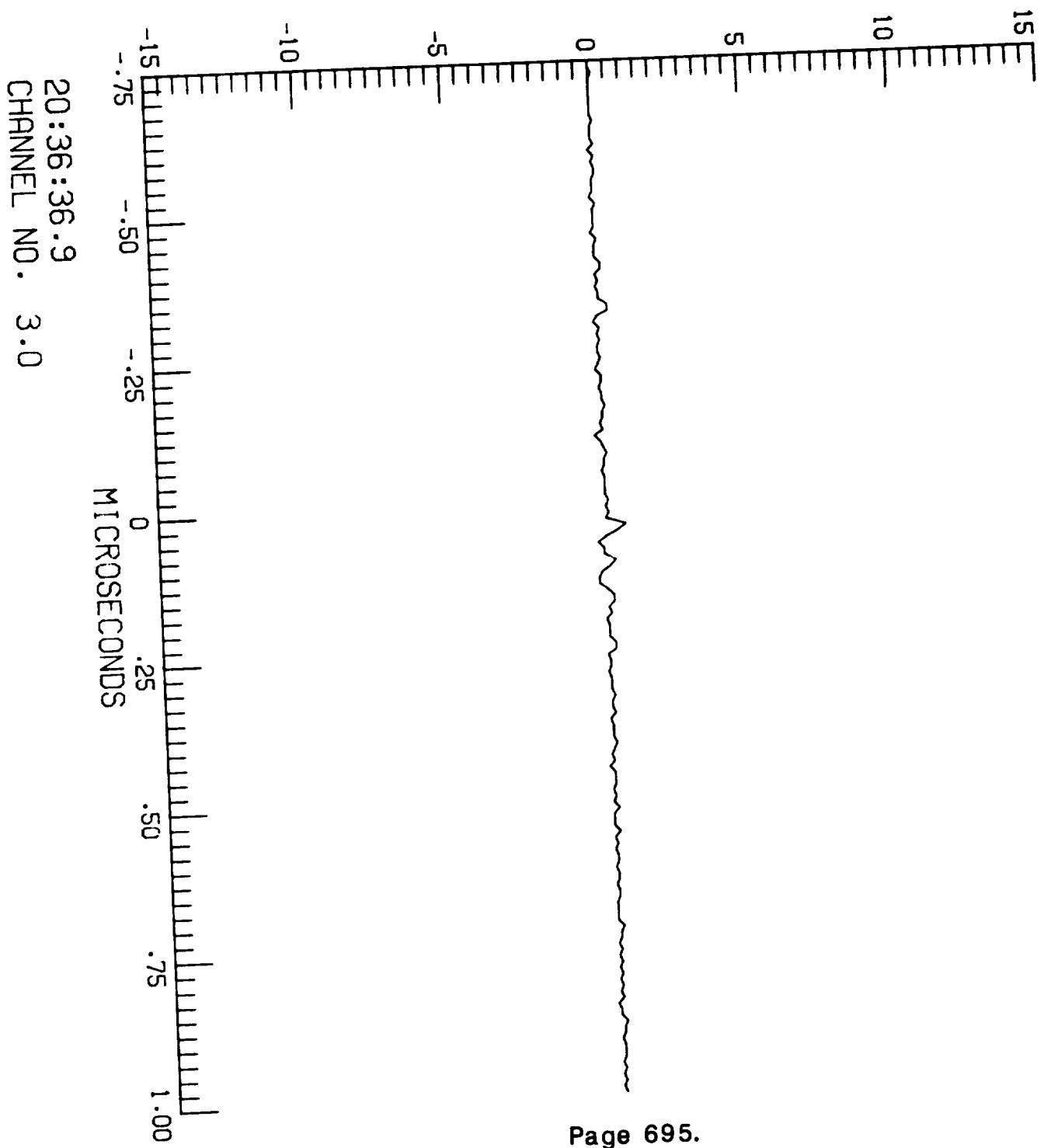


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_{wr} A/m²

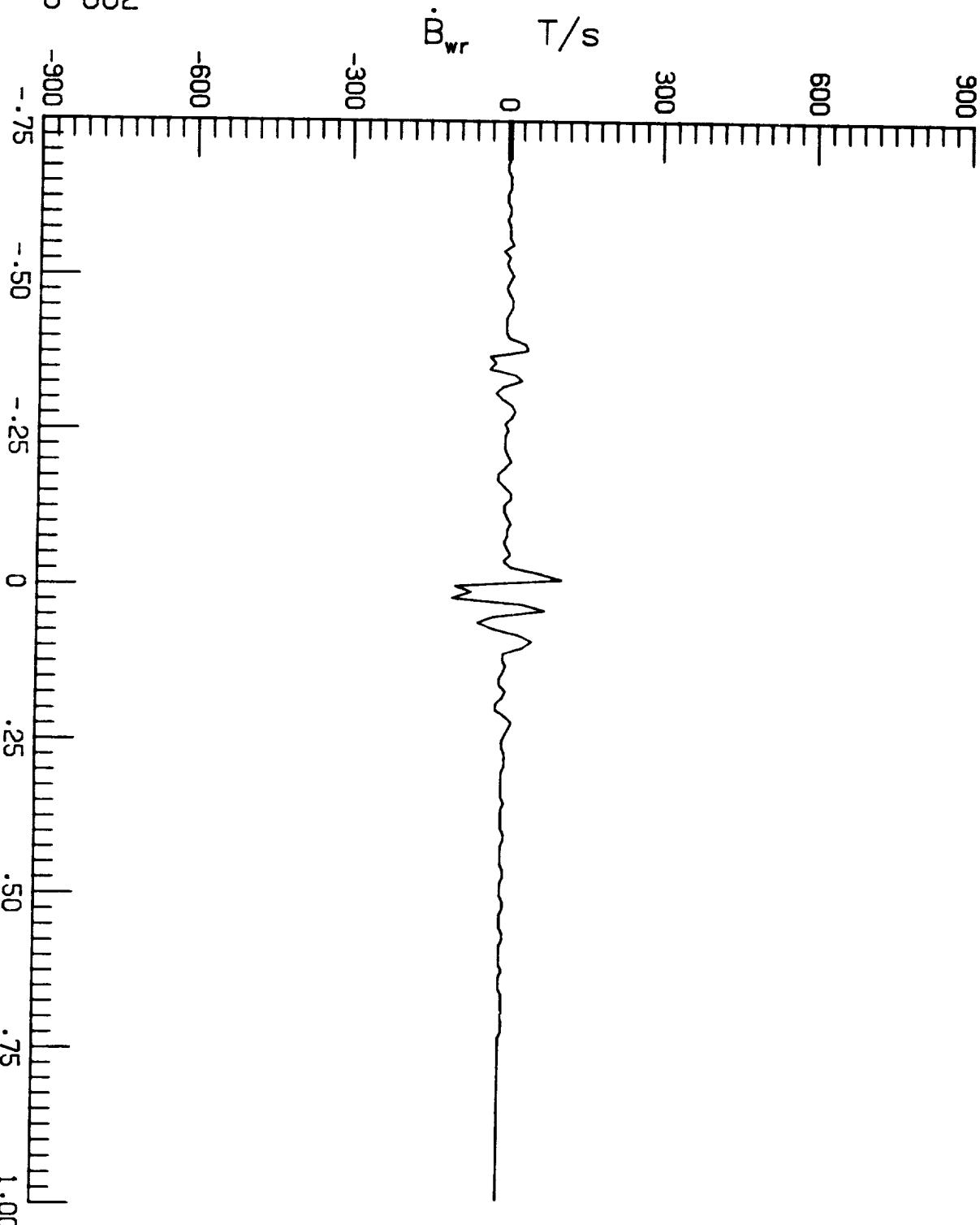


20:36:36.9
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 2

S-002



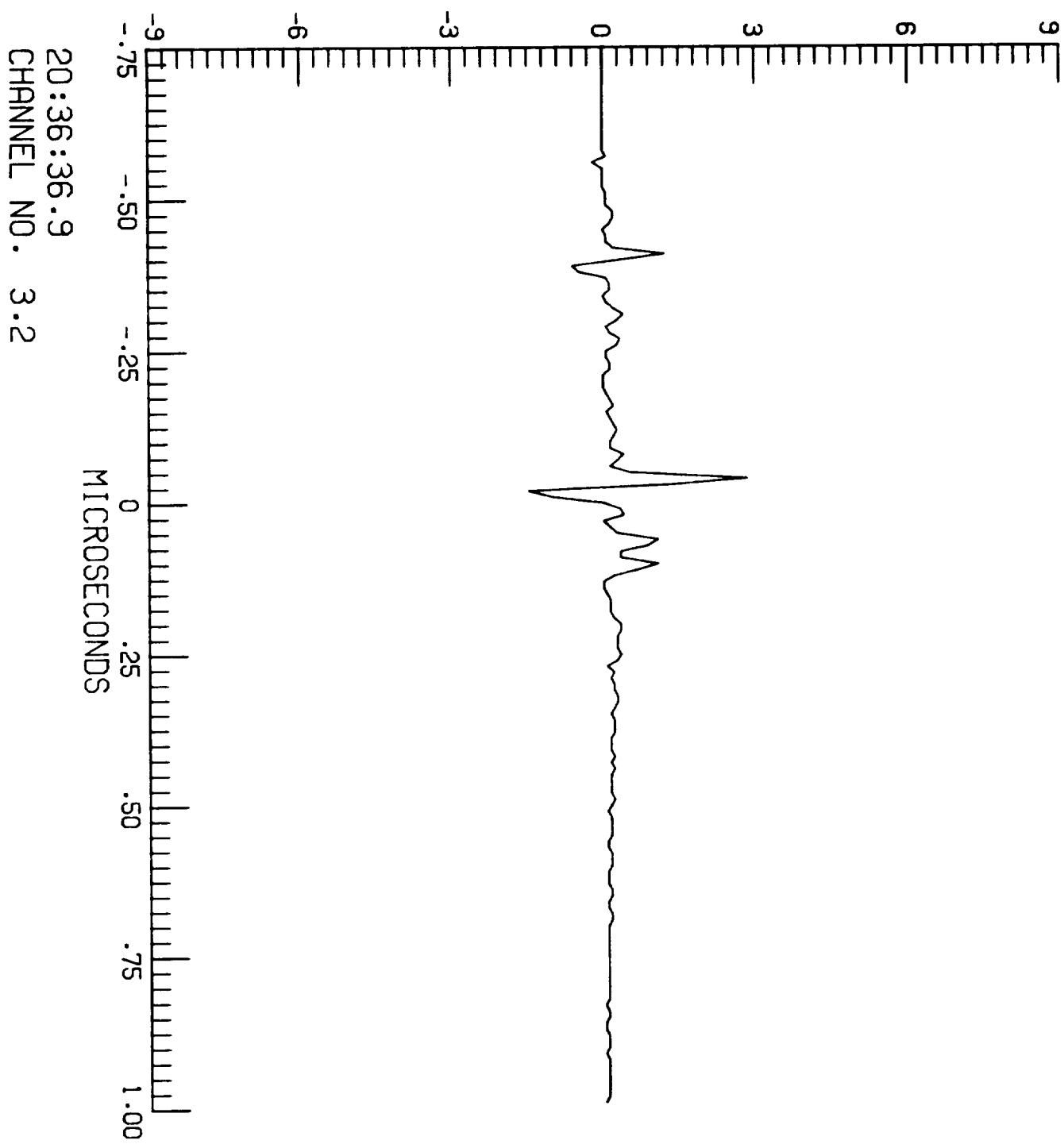
20:36:36.9
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_r A/m²



20:36:36.9
CHANNEL NO. 3.2

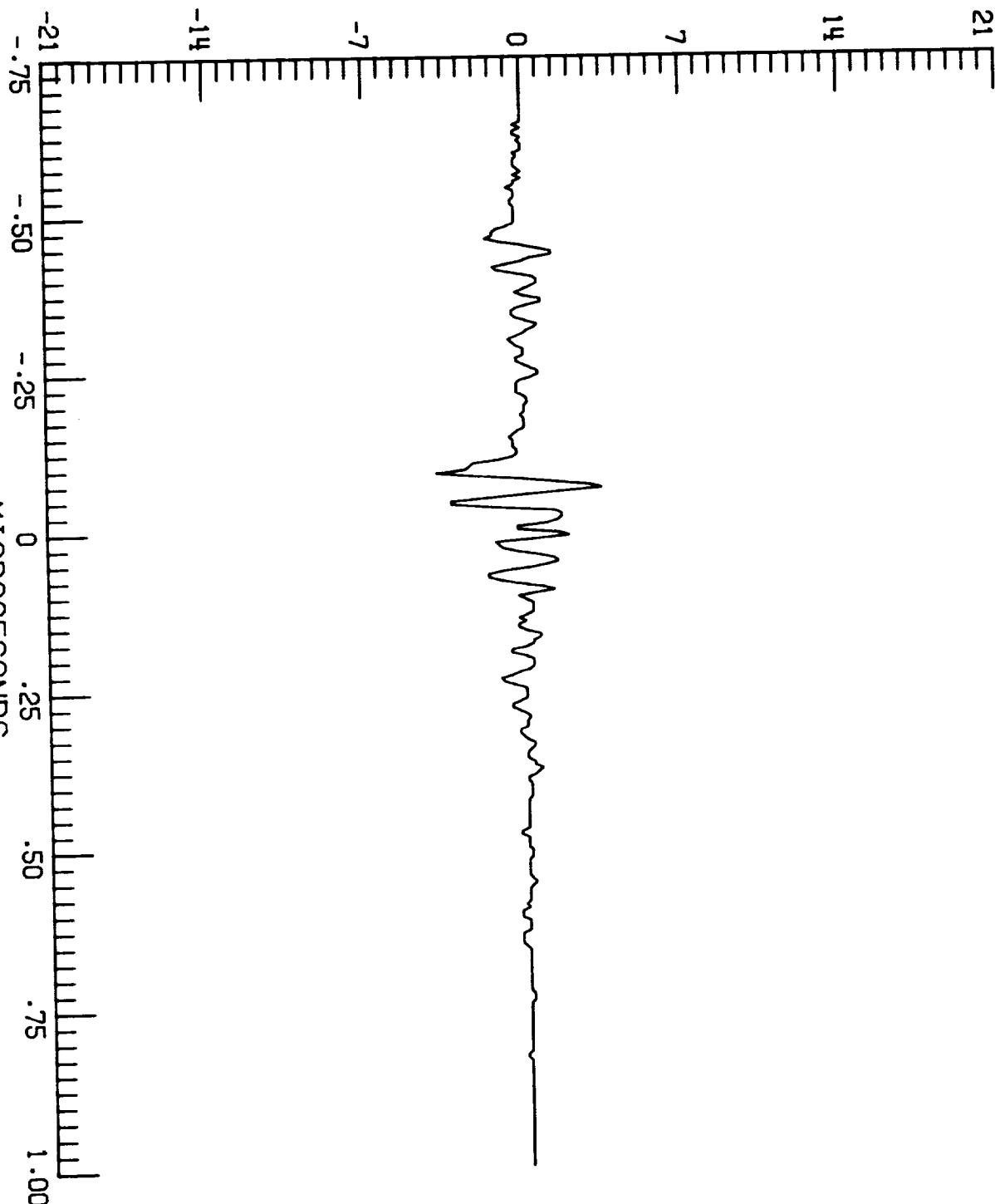
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP101

V



20:36:36.9
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP116

A

.27

.18

.09

0

-.18

-.27

-.75

-.50

-.25

0

.25

.50

.75

1.00

MICROSECONDS

20:36:36.9
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP112

A

.09

.18

.27

-.18

-.09

0

-.27

-.50

-.25

0
MICROSECONDS

.25

.50

.75

1.00

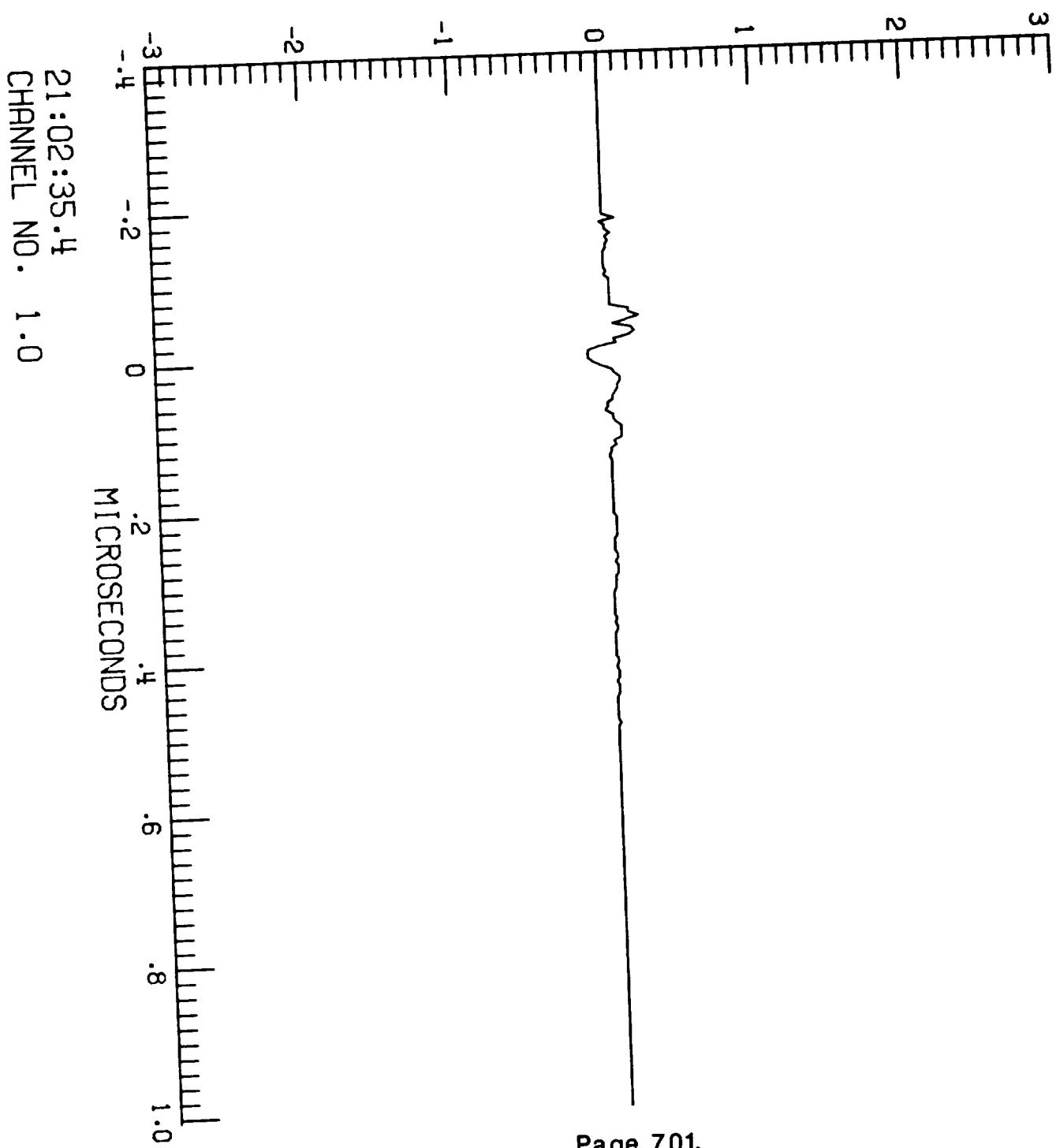
20:36:36.9
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 3

S-003

\dot{D}_t A/m²



21:02:35.4
CHANNEL NO. 1.0

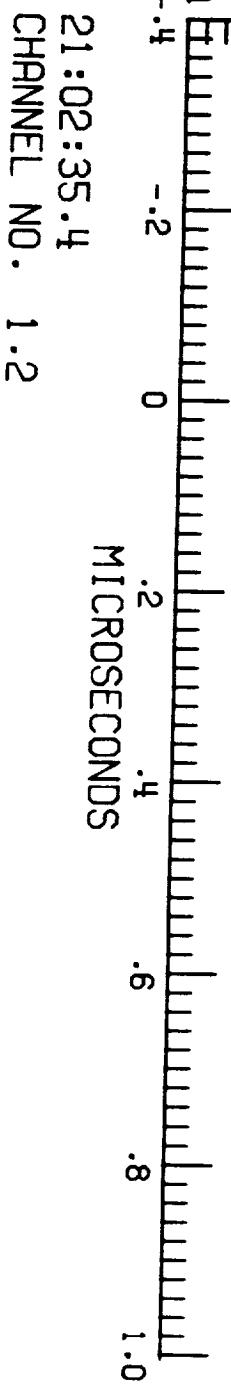
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 3

S-003

I_t A

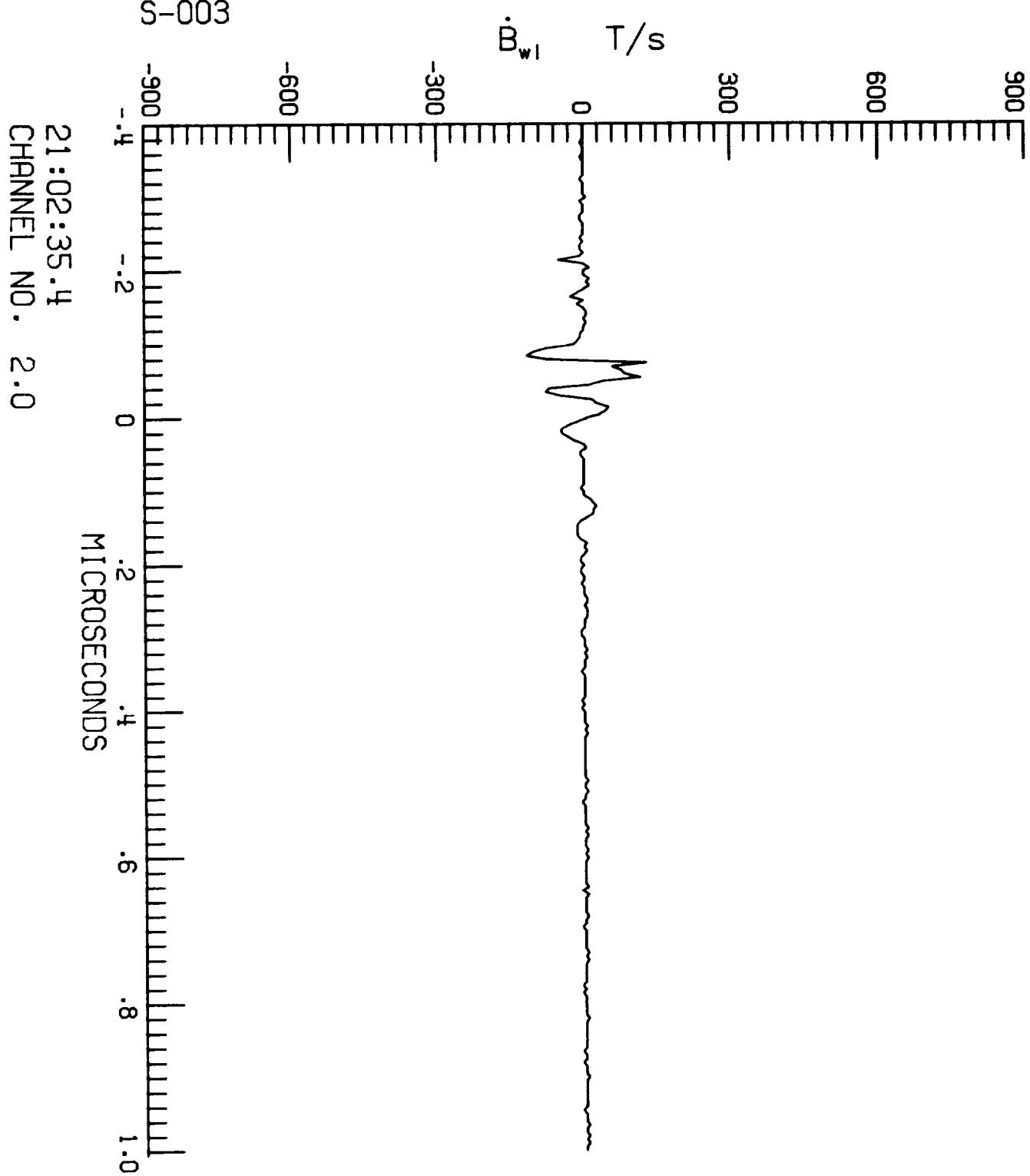
21×10^3



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 3

S-003



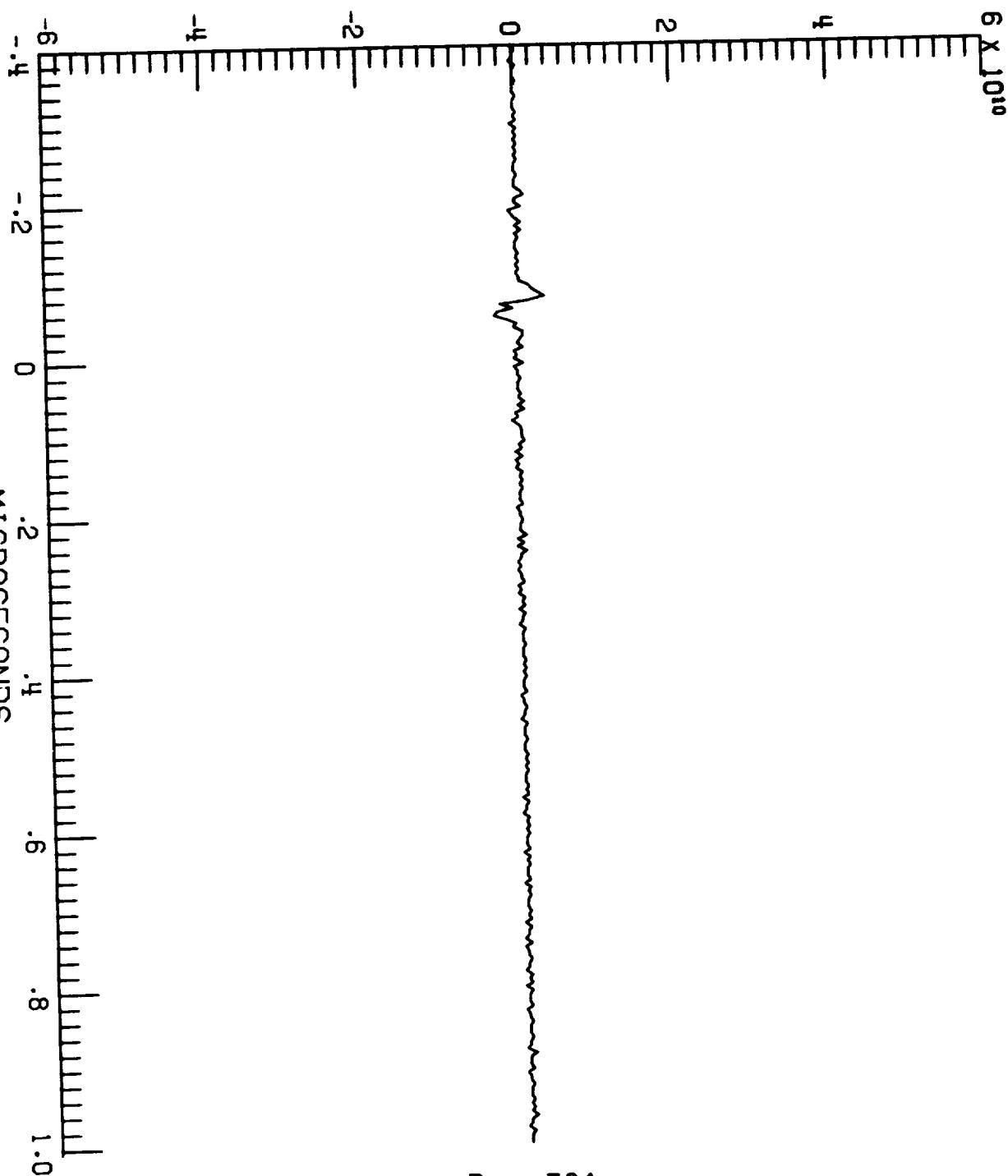
21:02:35.4
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\dot{I} A/s

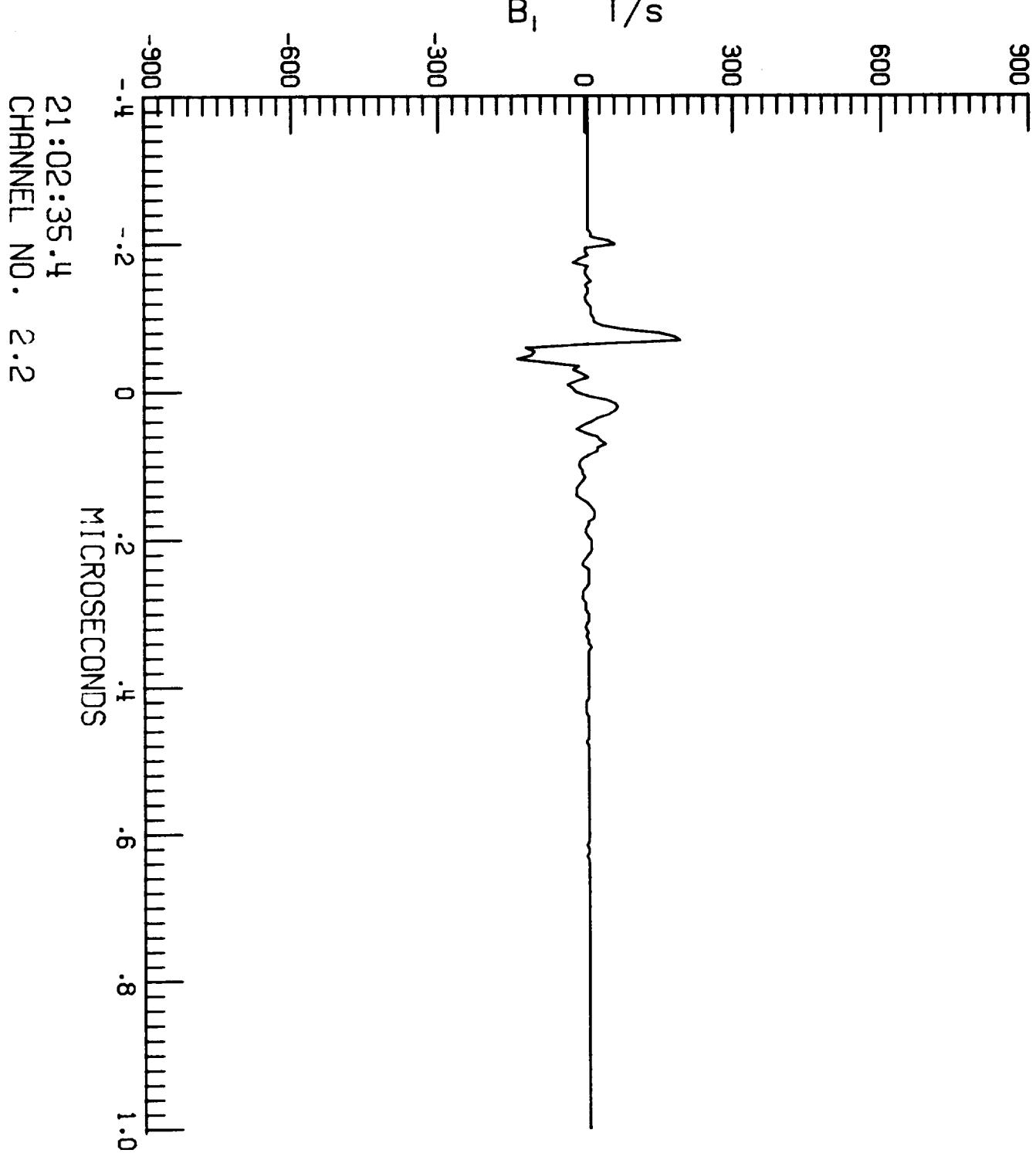


21:02:35.4
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 3

S-003



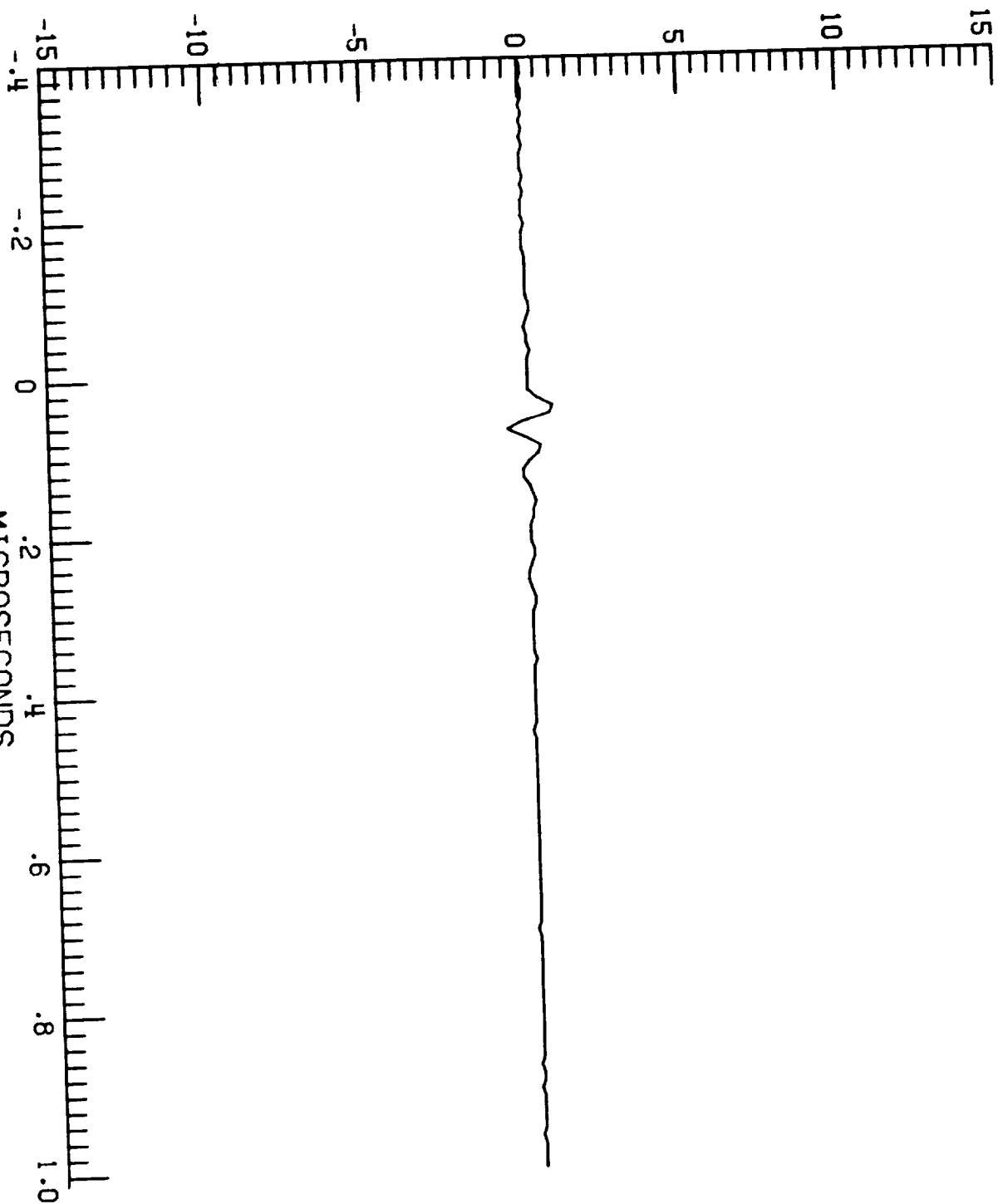
21:02:35.4
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 3

S-003

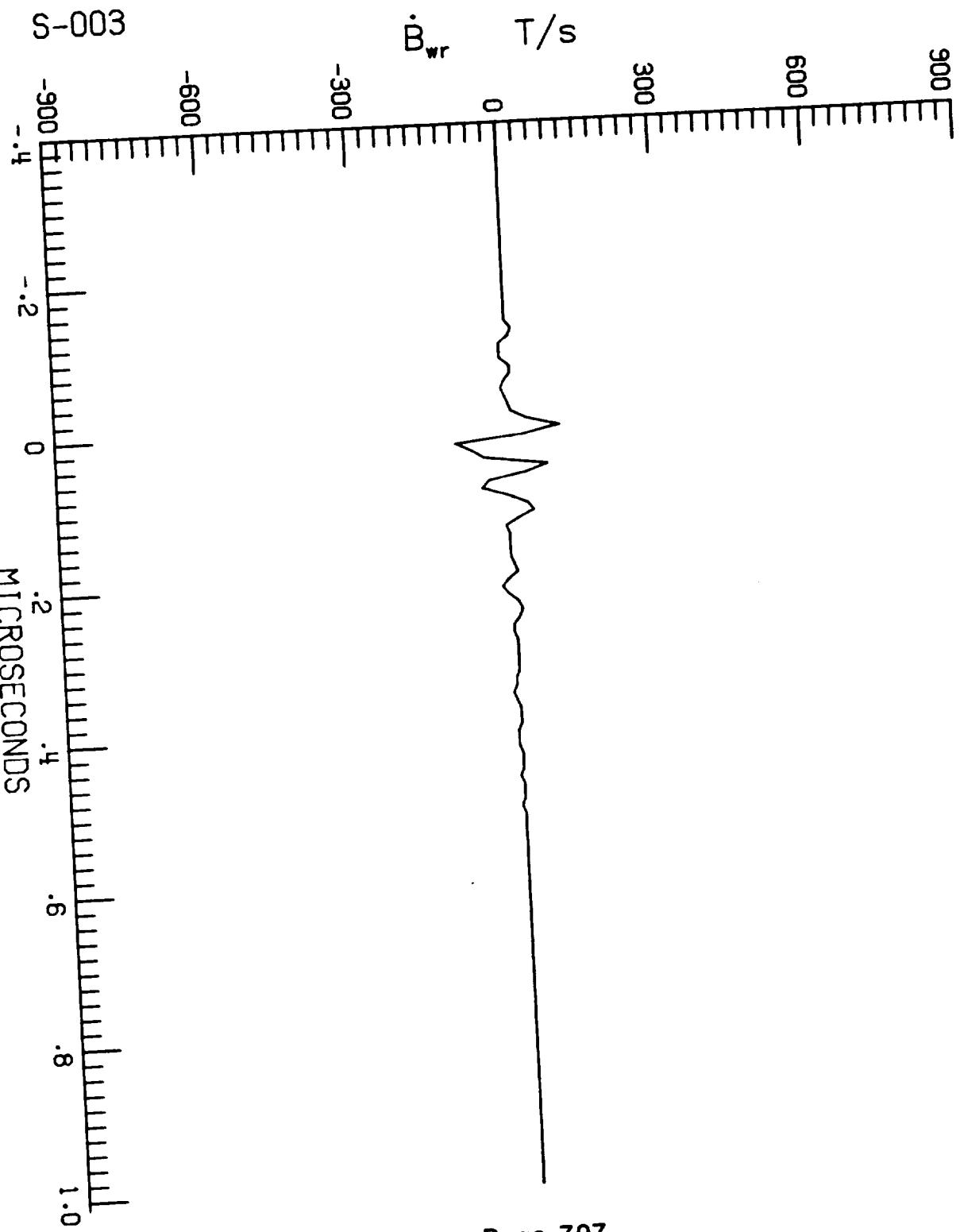
\dot{D}_{wr} A/m²



21:02:35.4
CHANNEL NO. 3.0

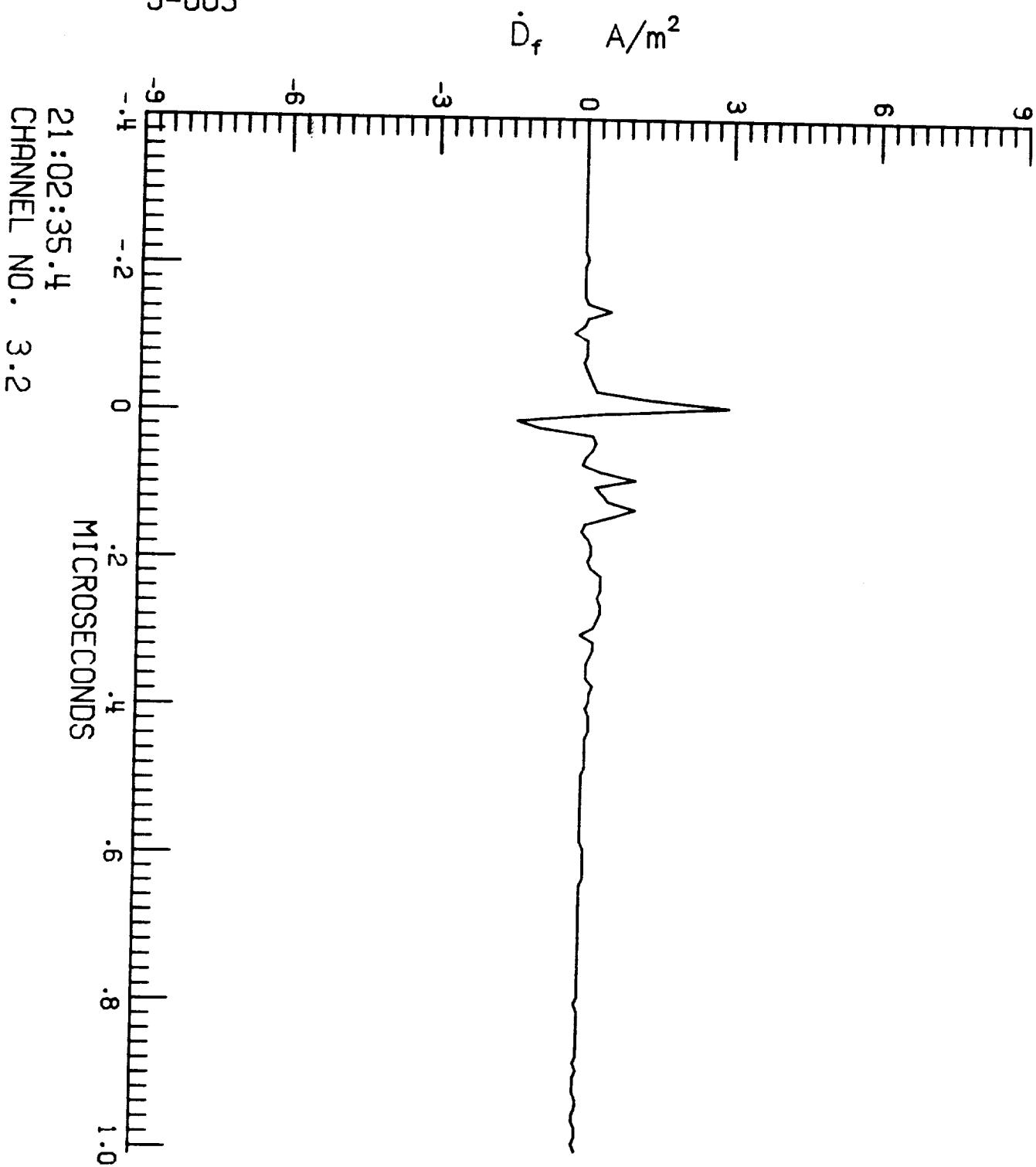
F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 3

S-003



21:02:35.4
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 3
S-003



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP101

V

21

14

7

0

-7

-14

-21

-.4
-.2
0
.2
.4
.6
.8
1.0

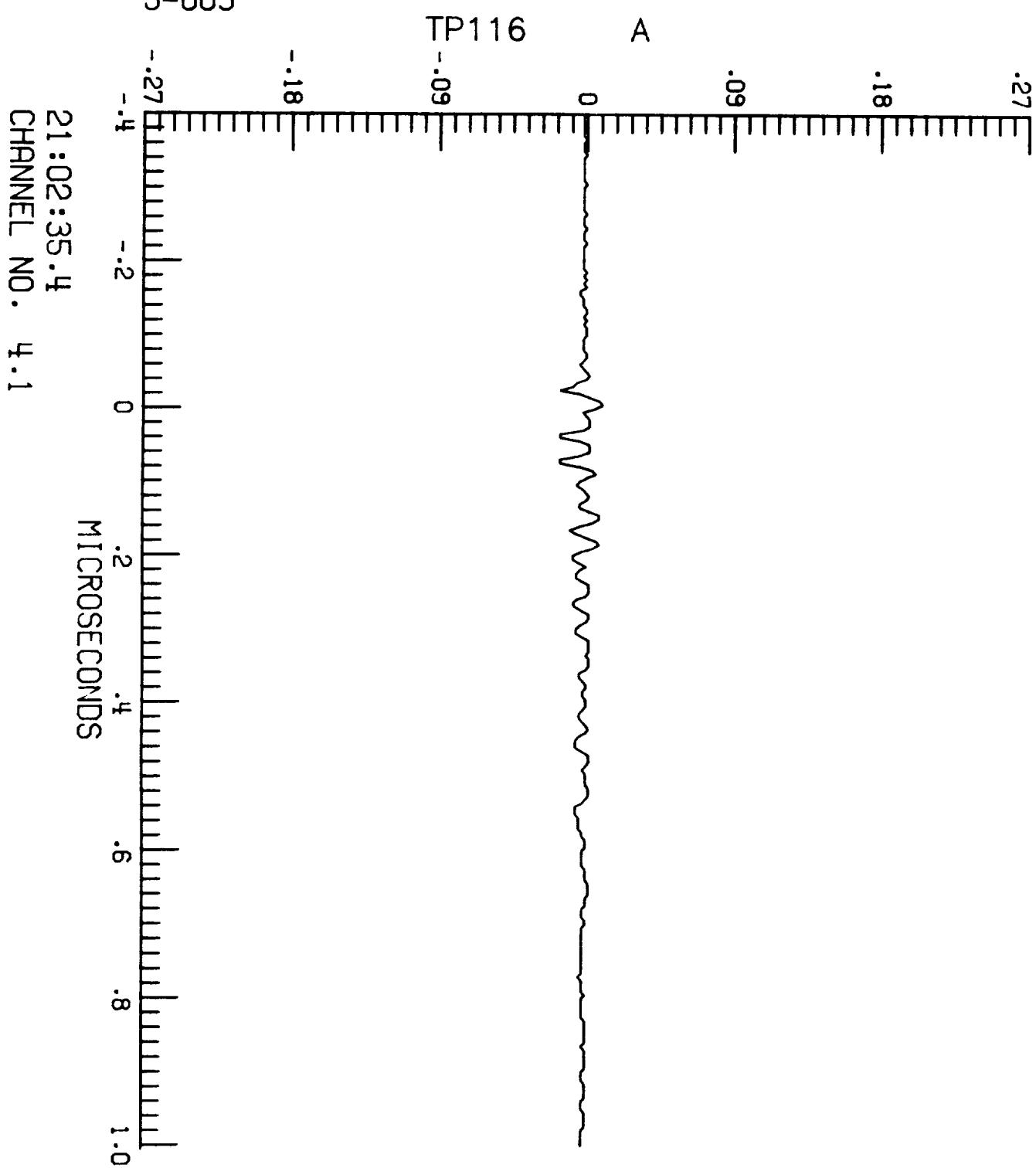
MICROSECONDS

21:02:35.4
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 3

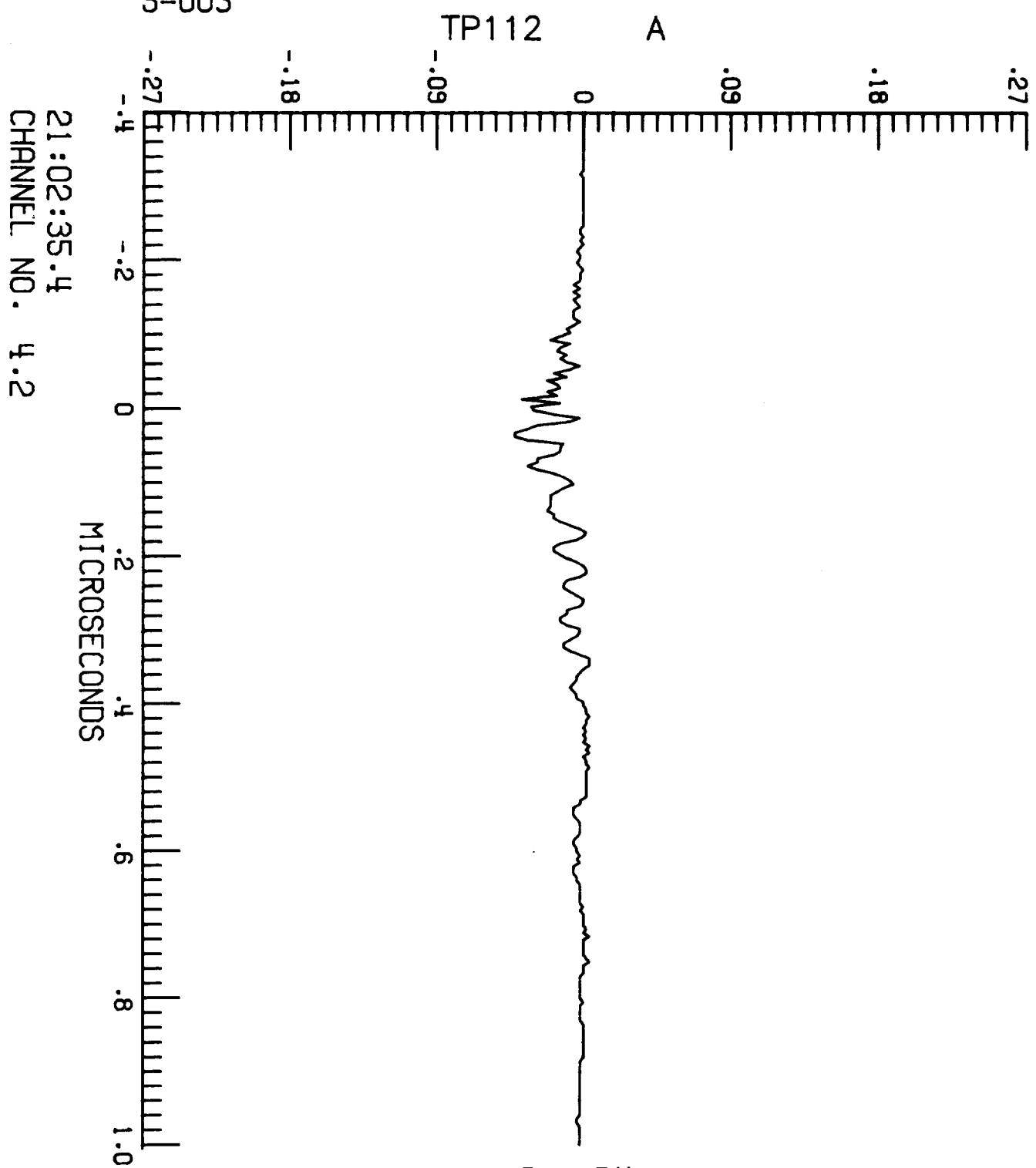
S-003



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 3

S-003

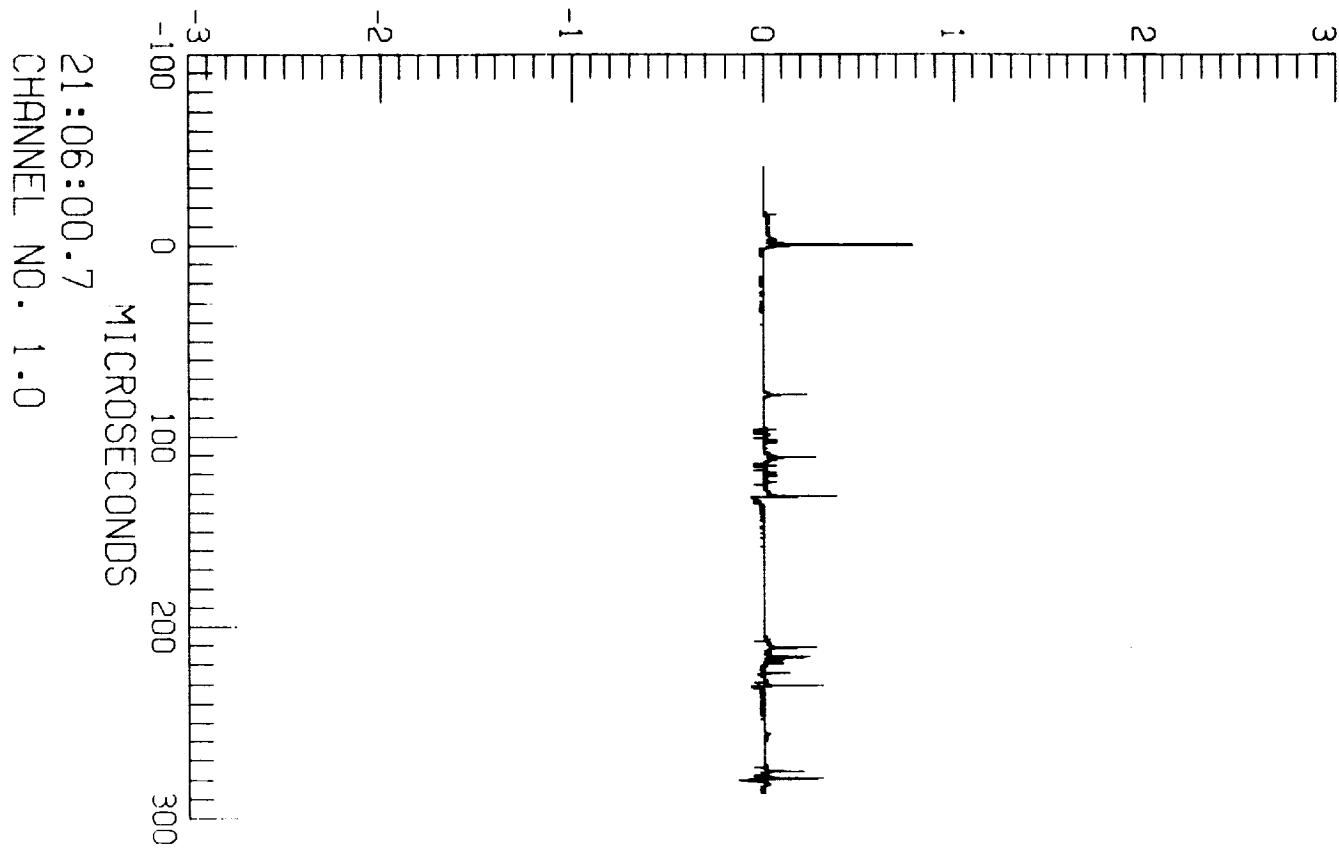


F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

D_t A/m²



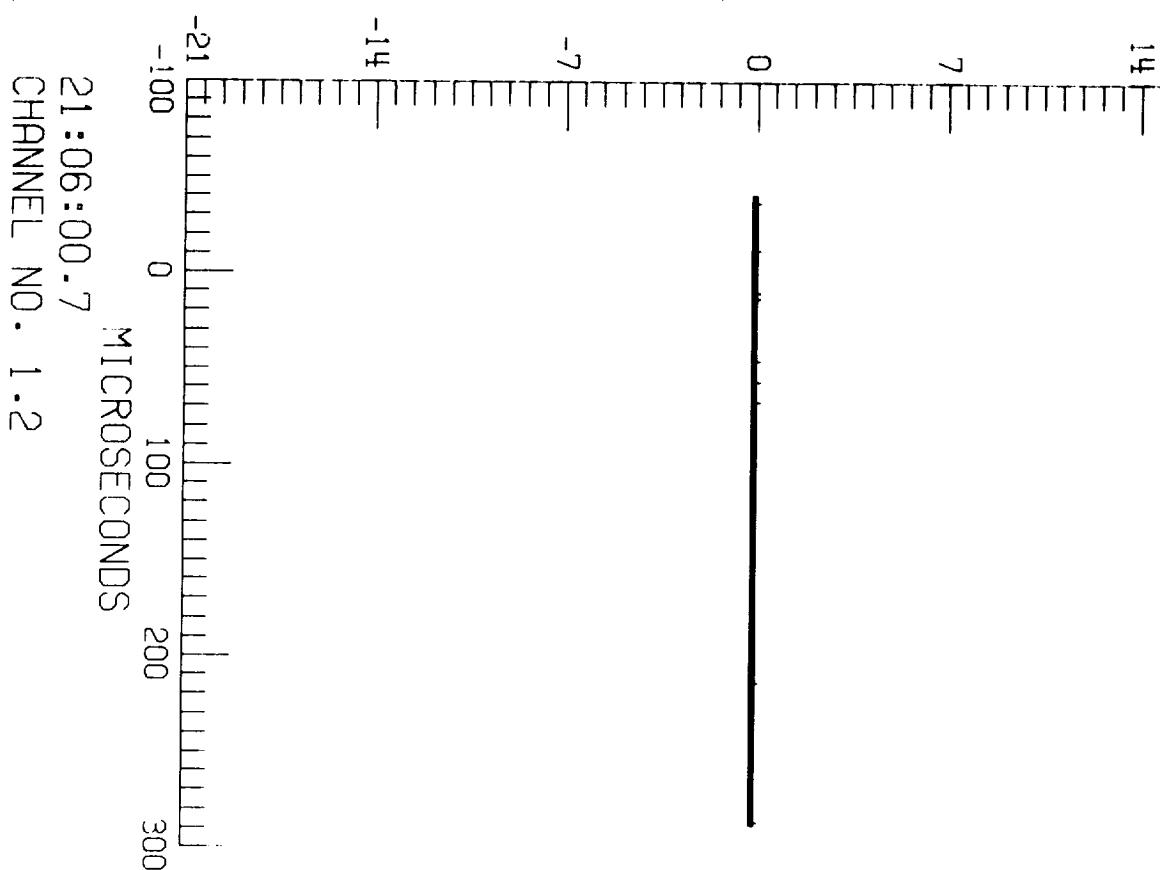
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21 $\times 10^3$



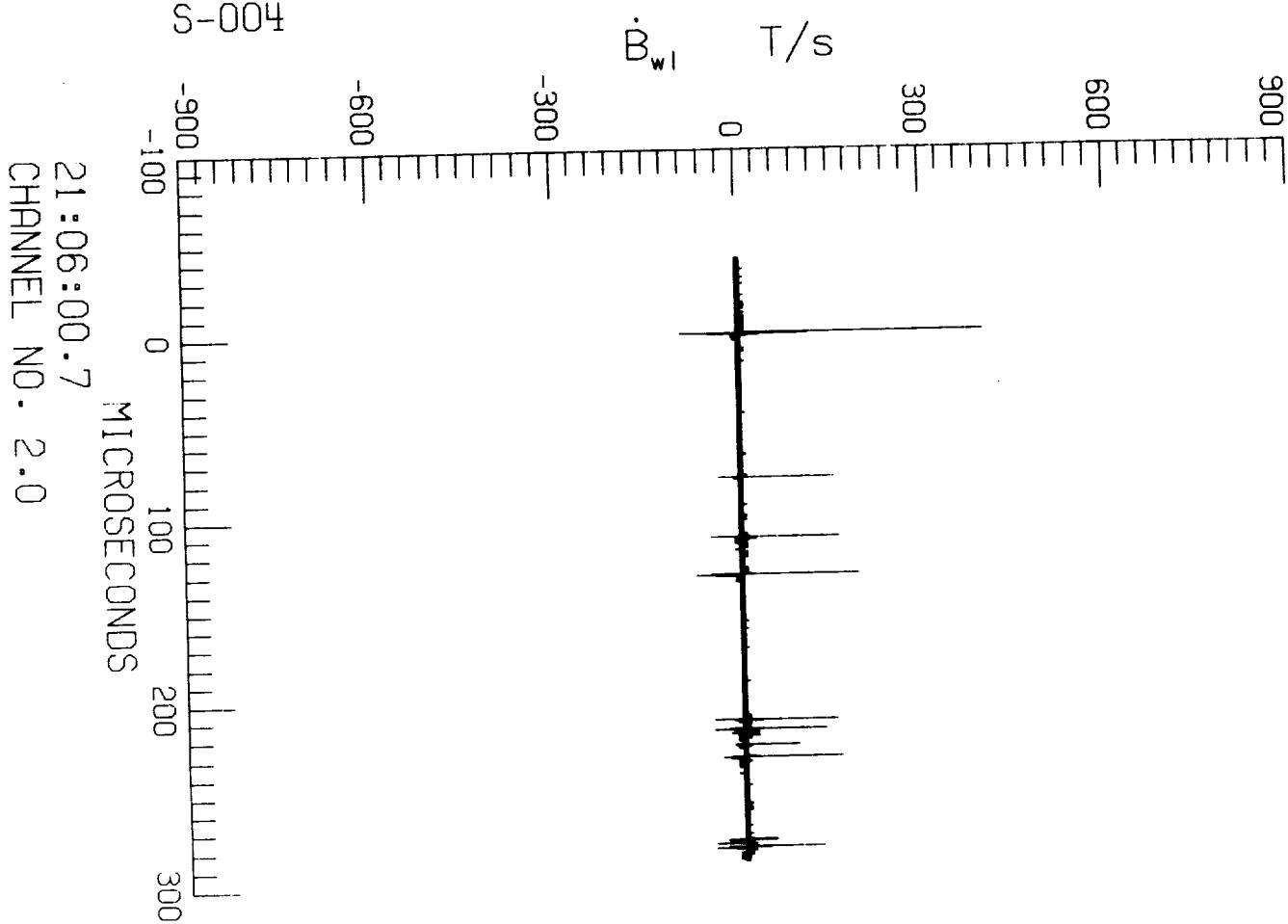
21:06:00-7
CHANNEL NO. 1-2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2

RUN NO. 4

S-004



21:06:00.7
CHANNEL NO. 2.0

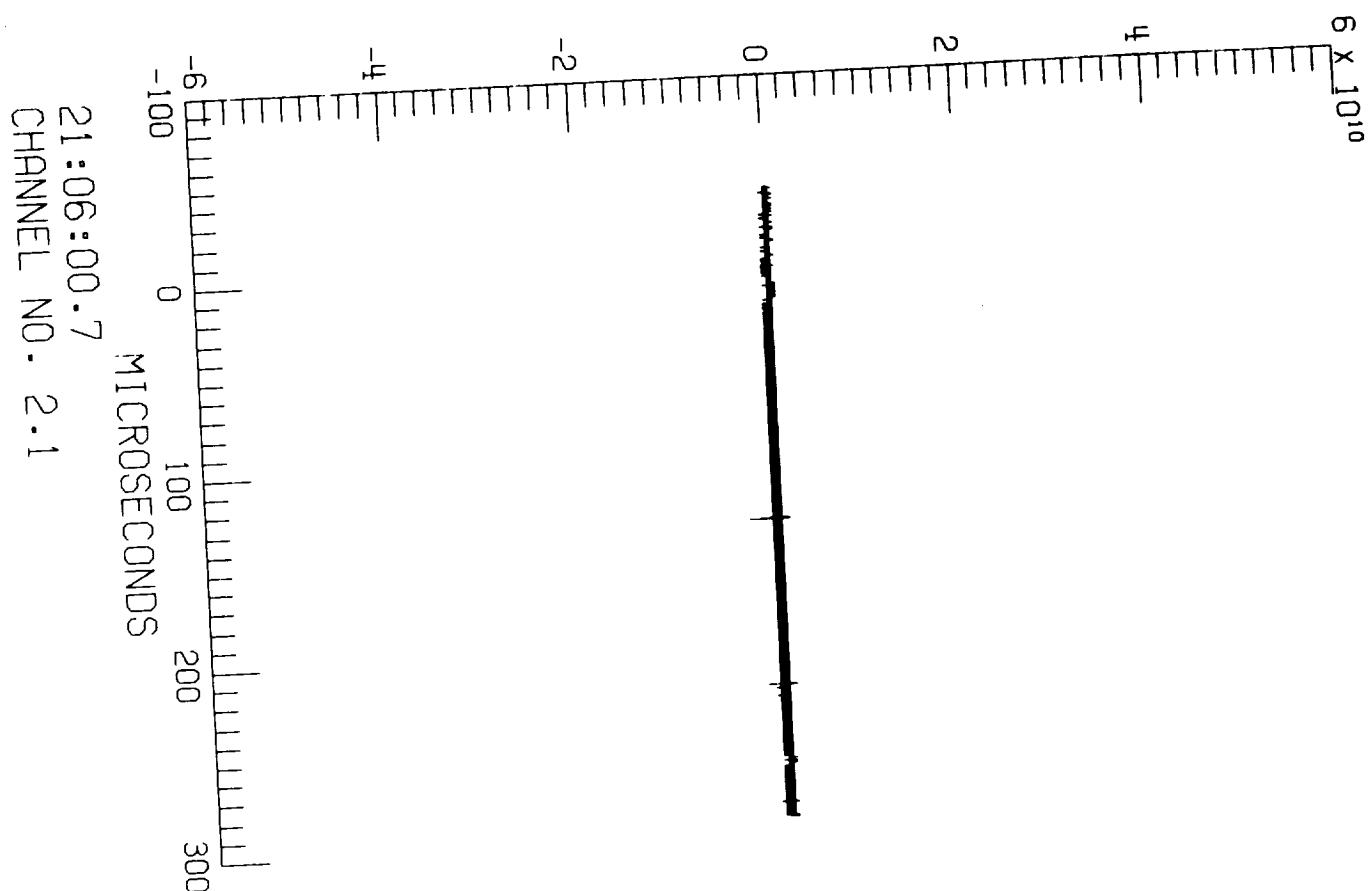
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2

RUN NO. 4

S-004

I A/s

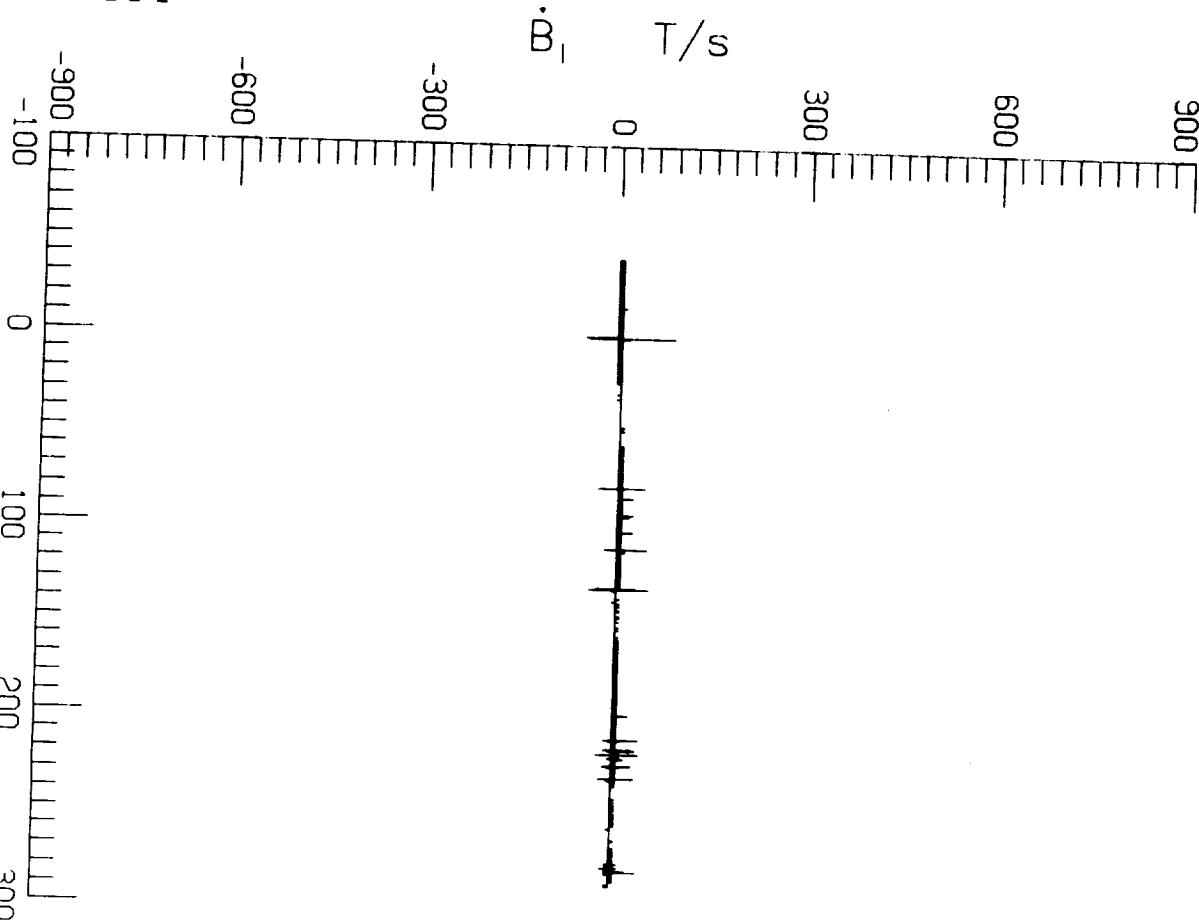


F106 LIGHTNING/85-035/ZAEPFEL

LEC 2

RUN NO. 4

S-004



21:06:00.7
CHANNEL NO. 2-2

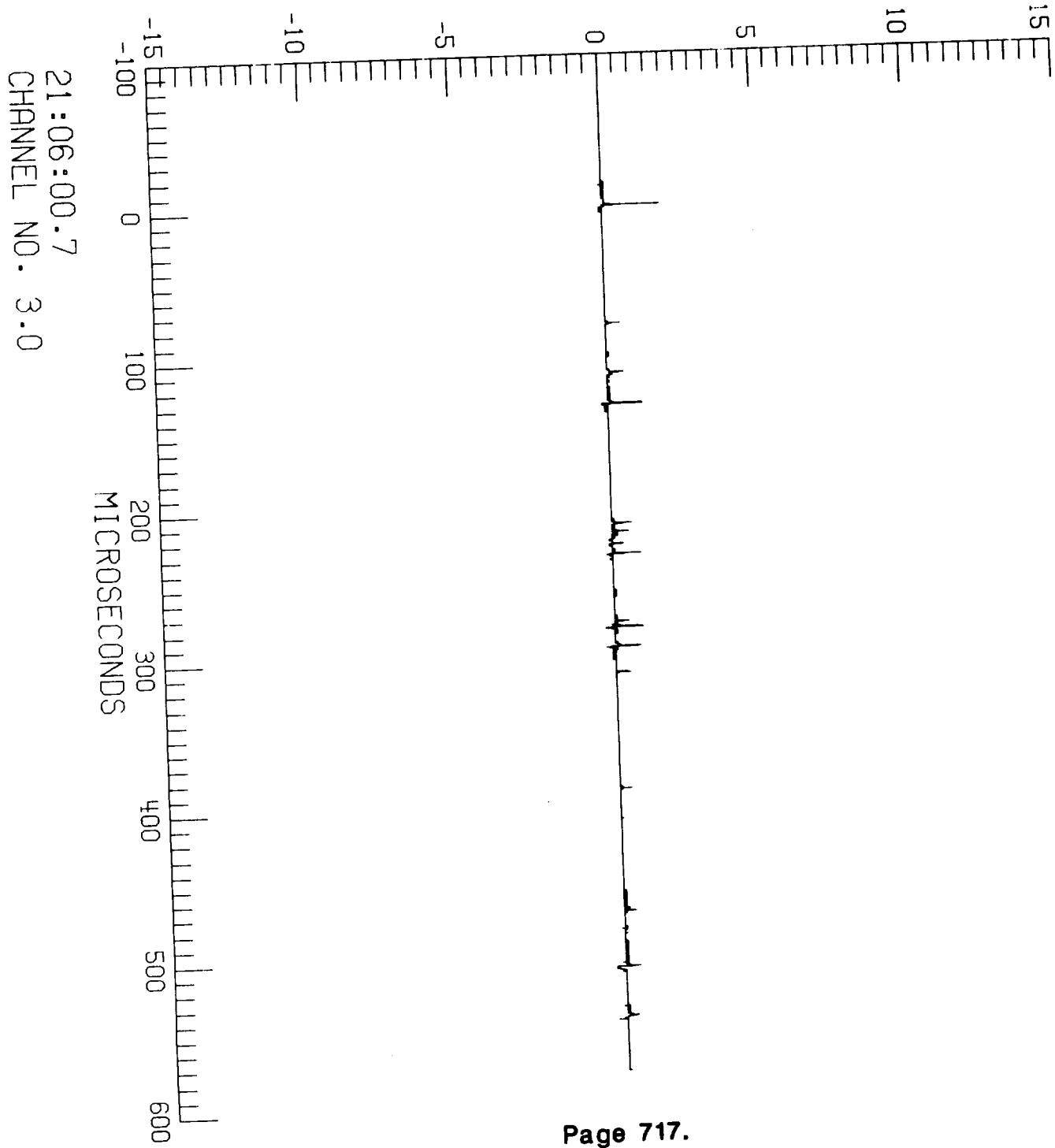
F106 LIGHTNING/85-035/ZAEPFEL

LEC 3

RUN NO. 4

S-004

D_{wr} A/m²



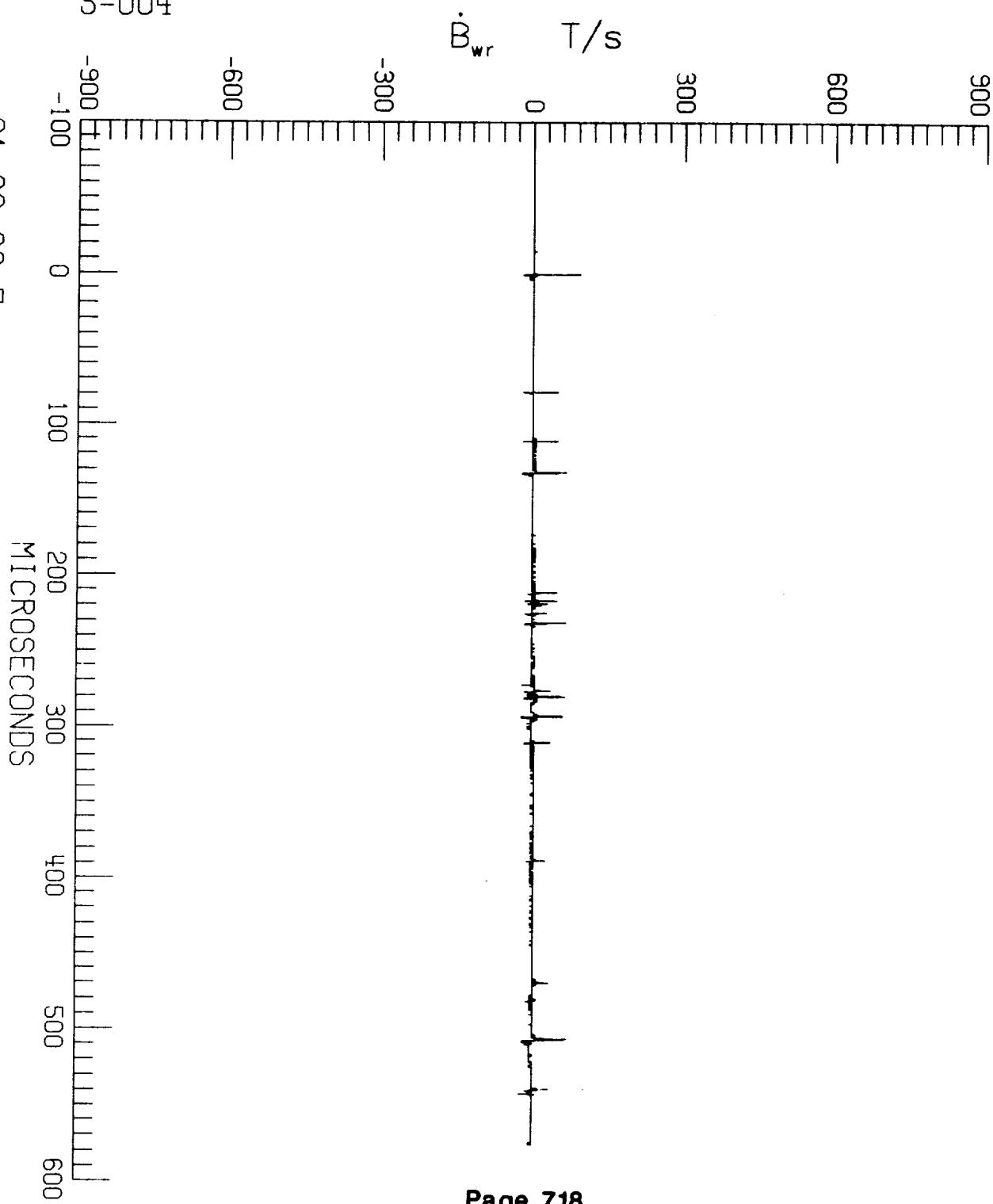
21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3

RUN NO. 4

S-004

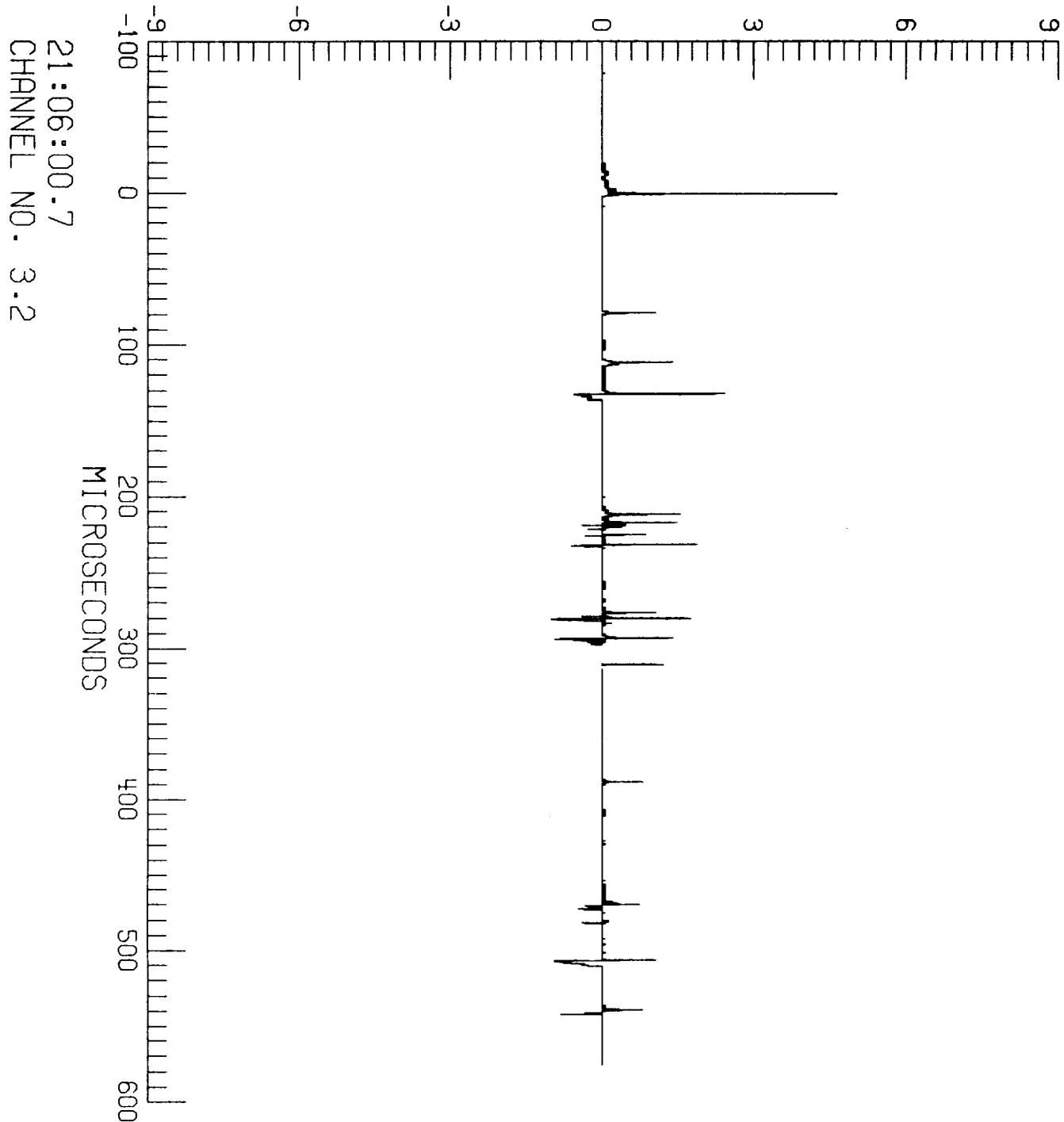


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



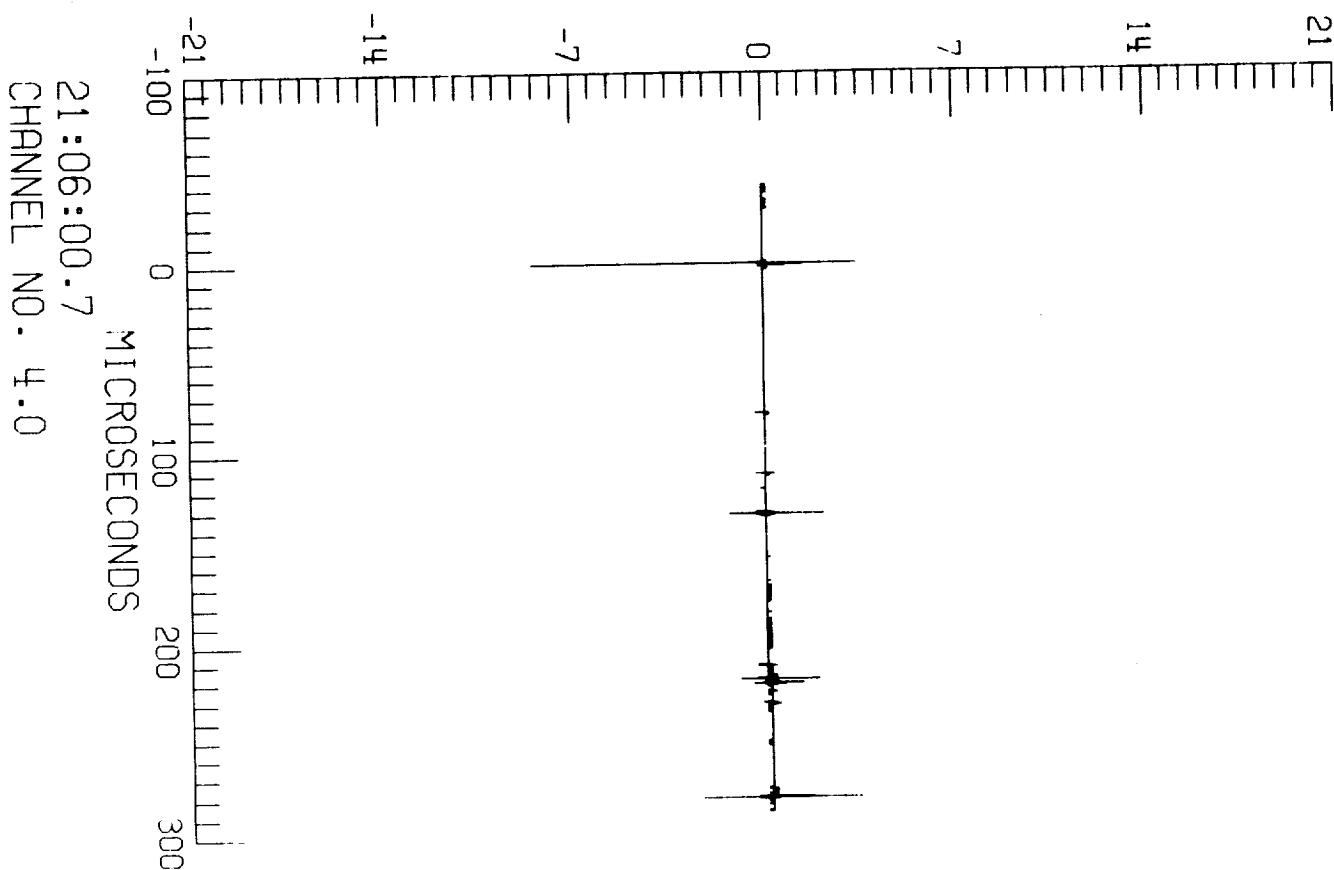
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4

RUN NO. 4

S-004

TP101 V



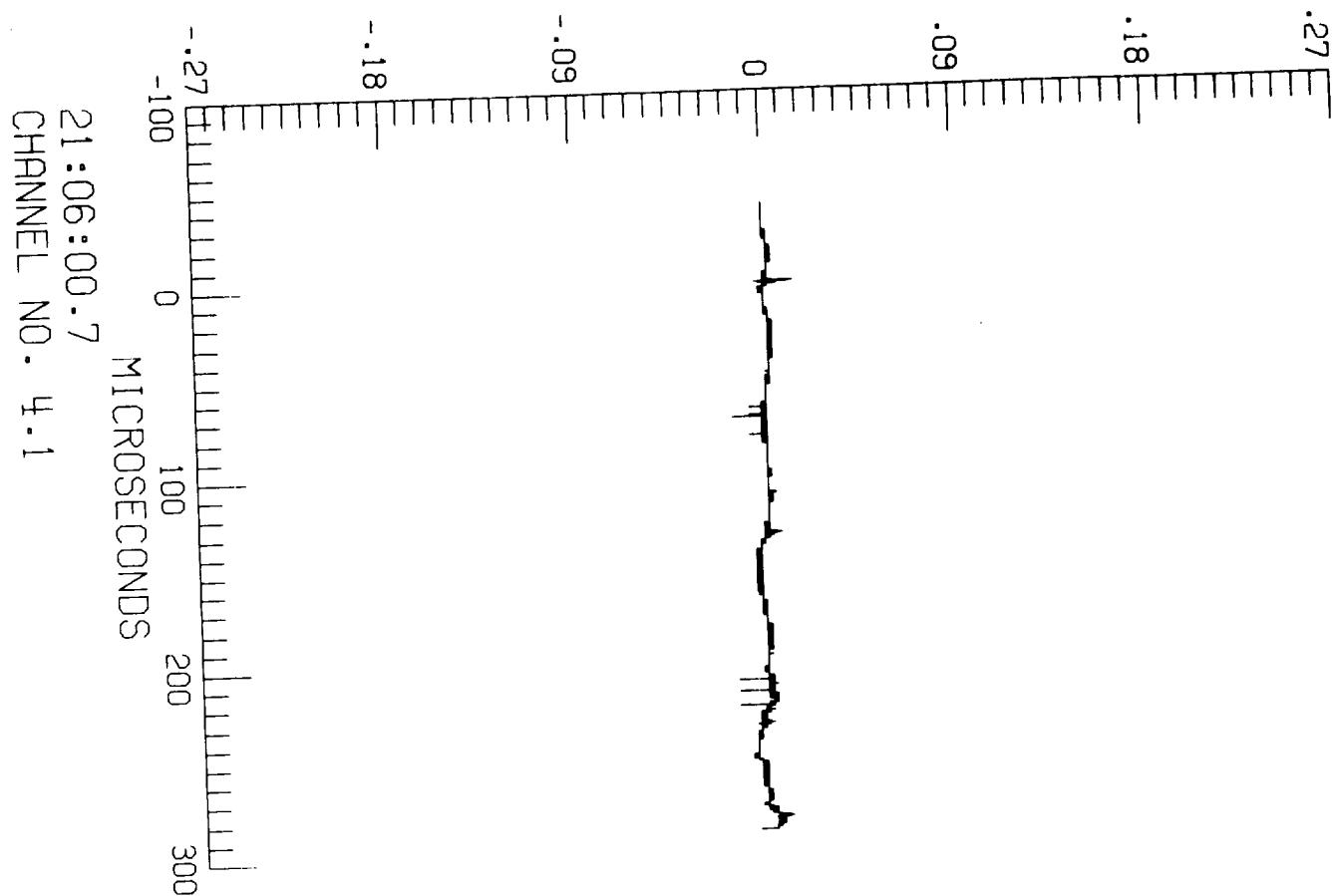
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

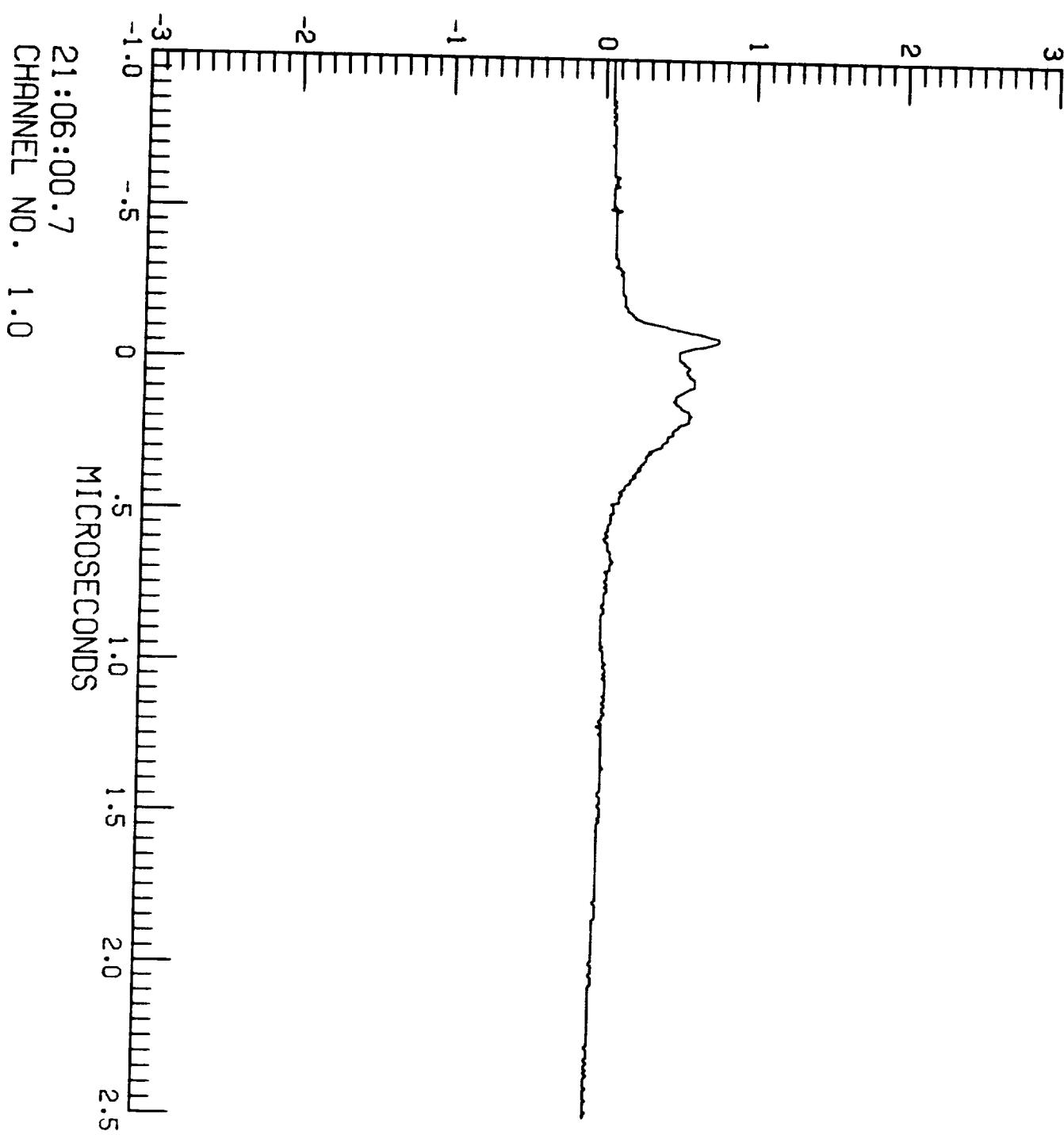
A



21:06:00.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 4
S-004

\dot{D}_t A/m²



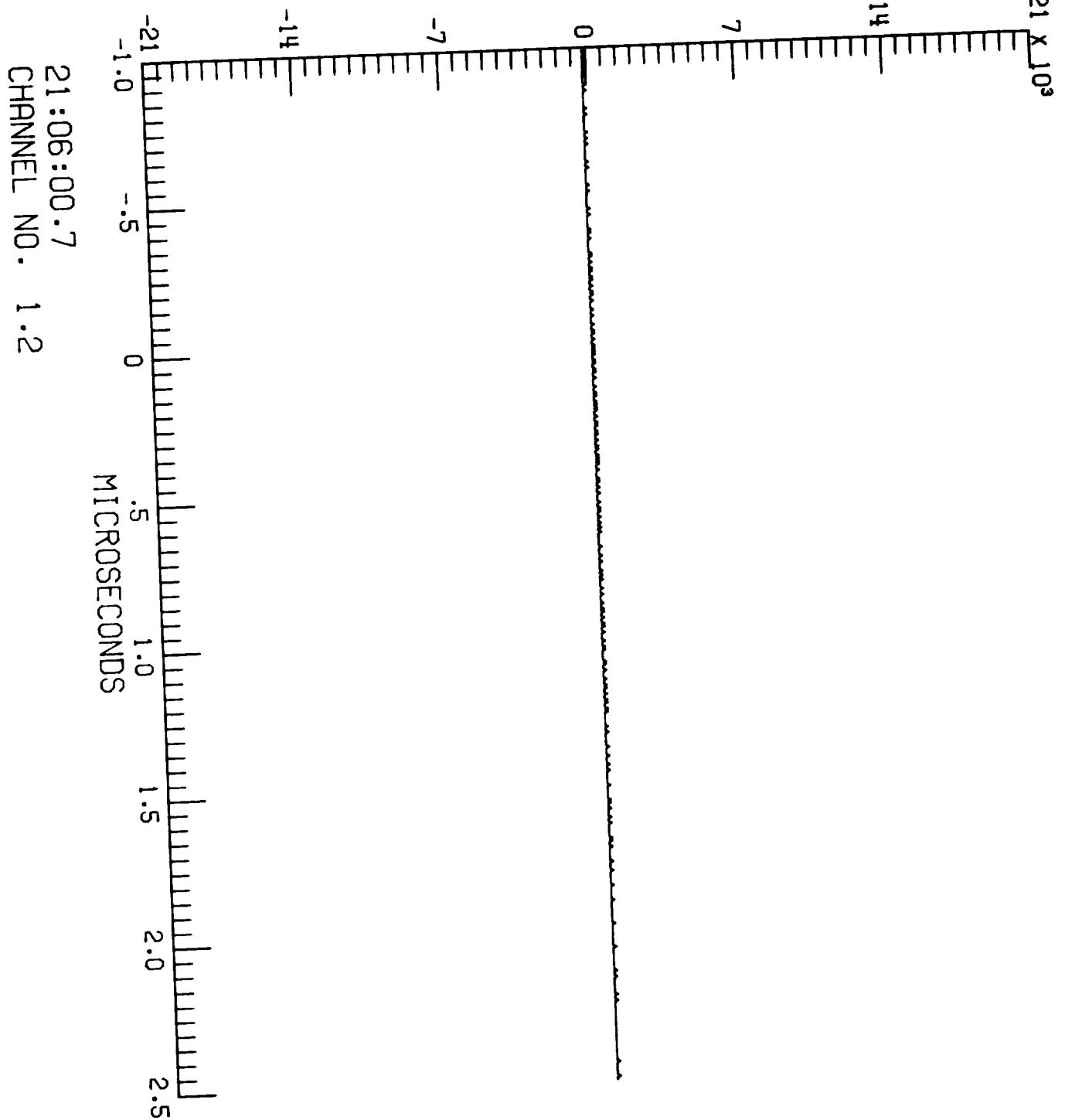
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21 $\times 10^3$



21:06:00.7
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

-600
-300

\dot{B}_{w1} T/s

300

600

900

-900
-1.0
-.5
0

0.5 1.0 1.5 2.0 2.5
MICROSECONDS

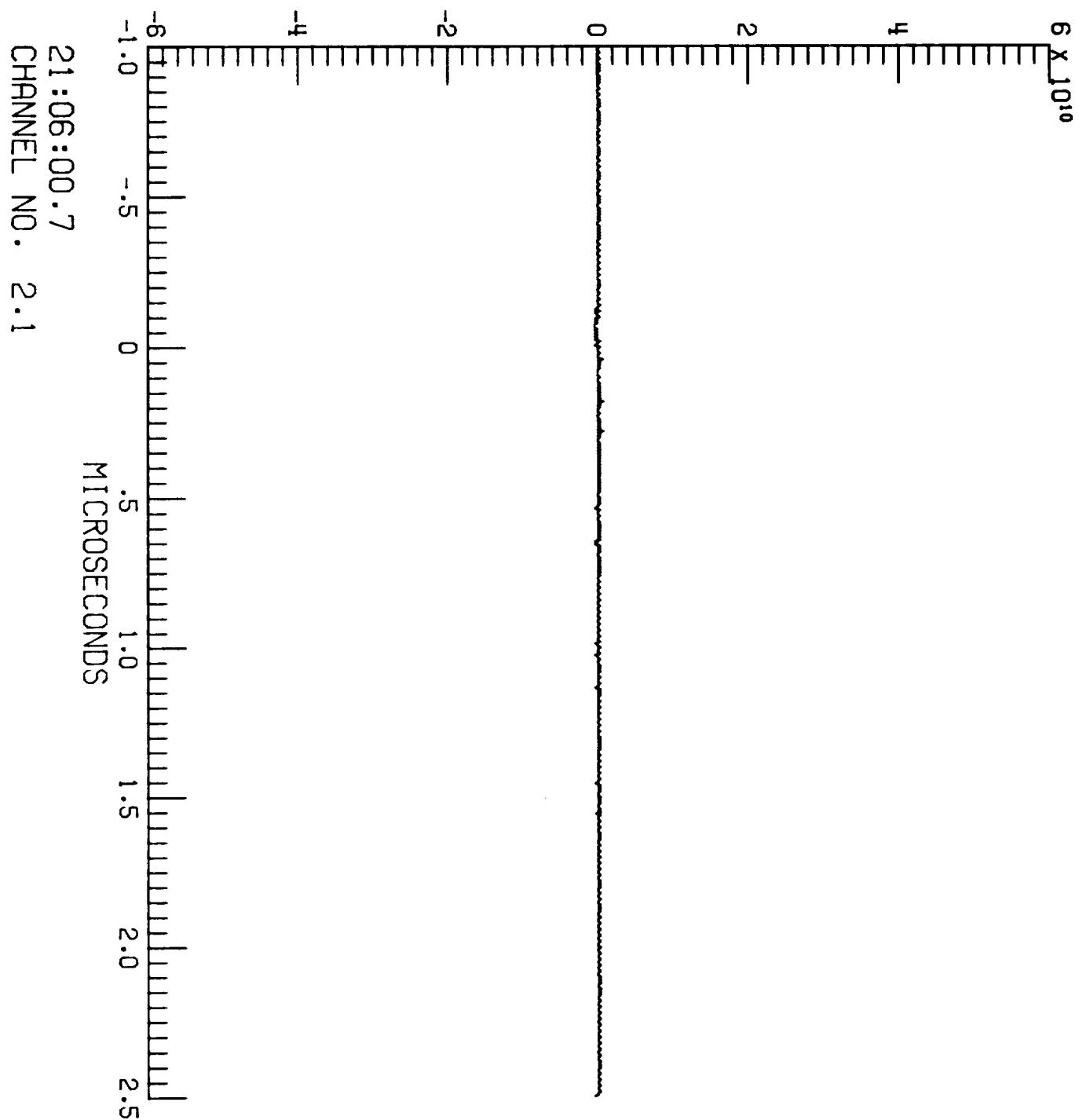
21:06:00.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

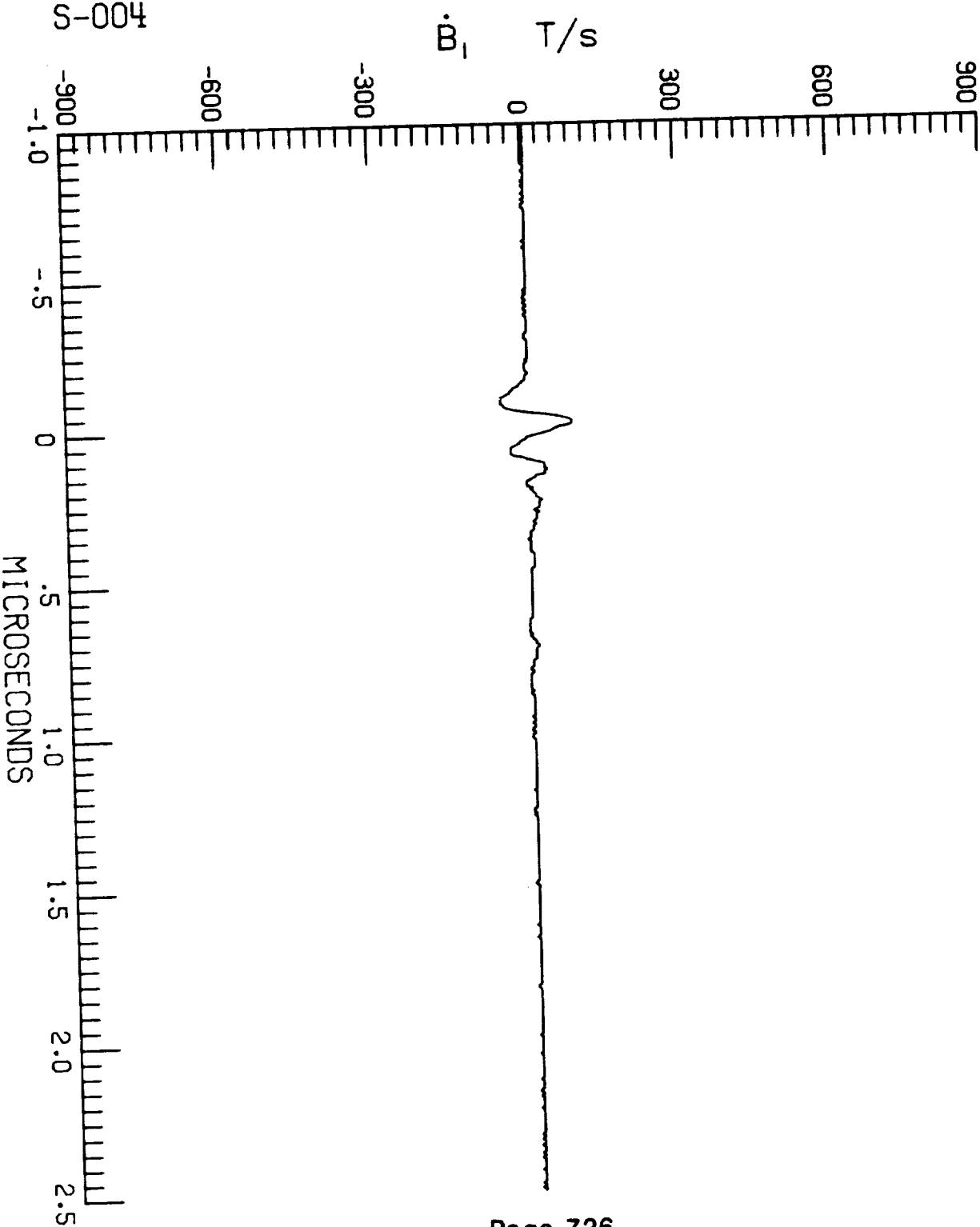
\dot{I} A/s



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



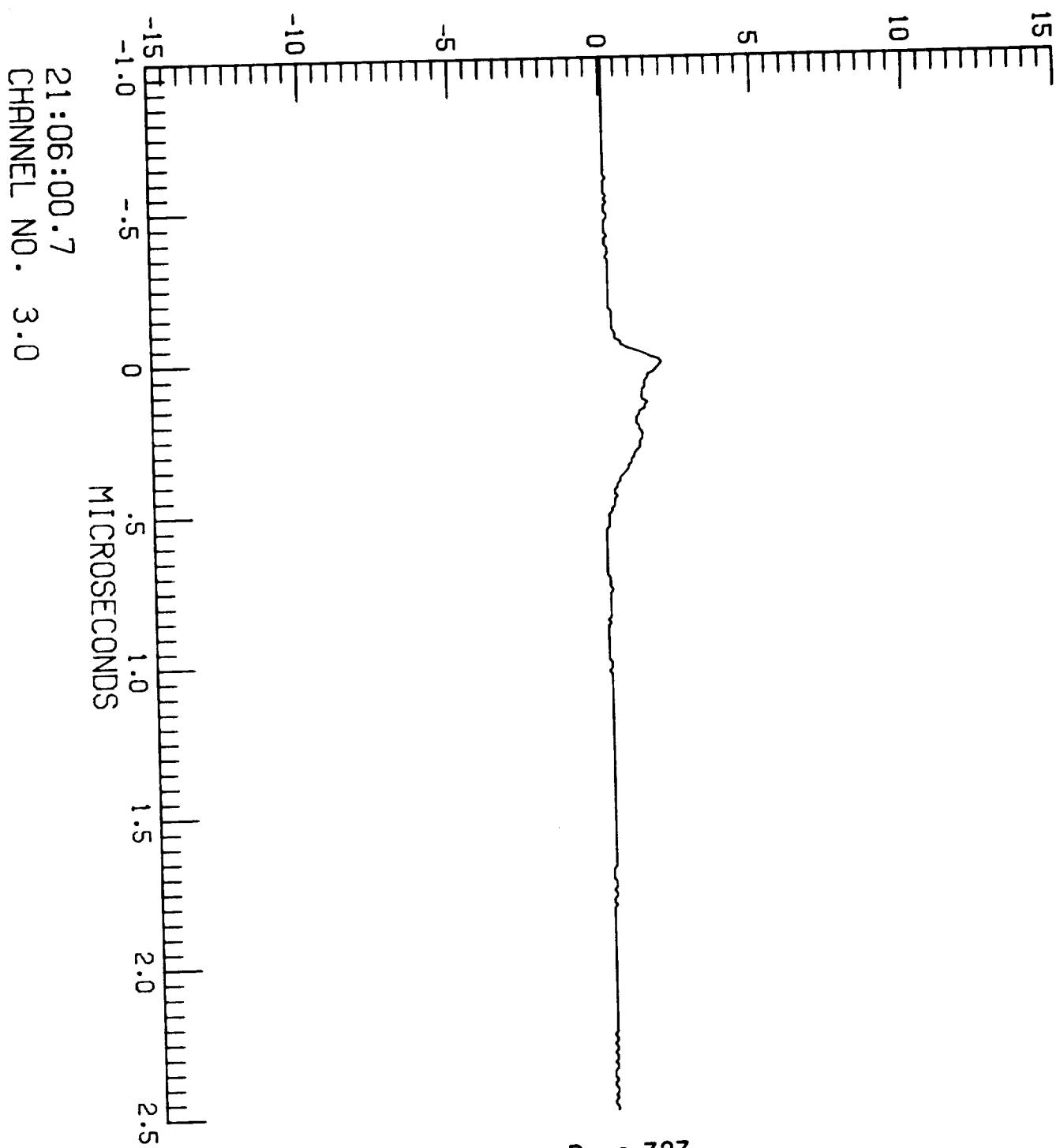
21:06:00.7
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²



21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

-600
-300

\dot{B}_{wr} T/s

0
300

600

900

-900
-1.0
-.5
0

.5
1.0
1.5
2.0
2.5
MICROSECONDS

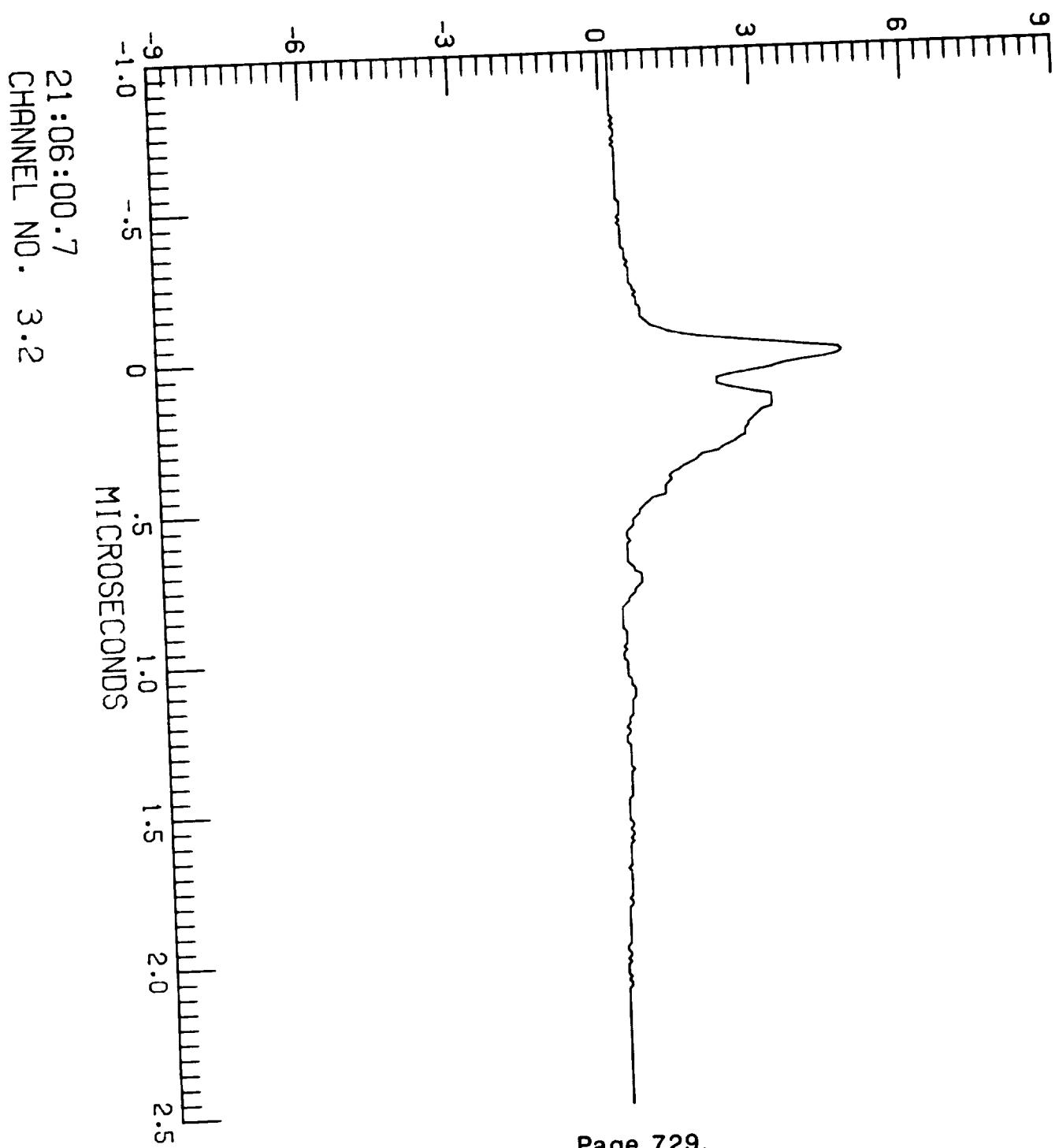
21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



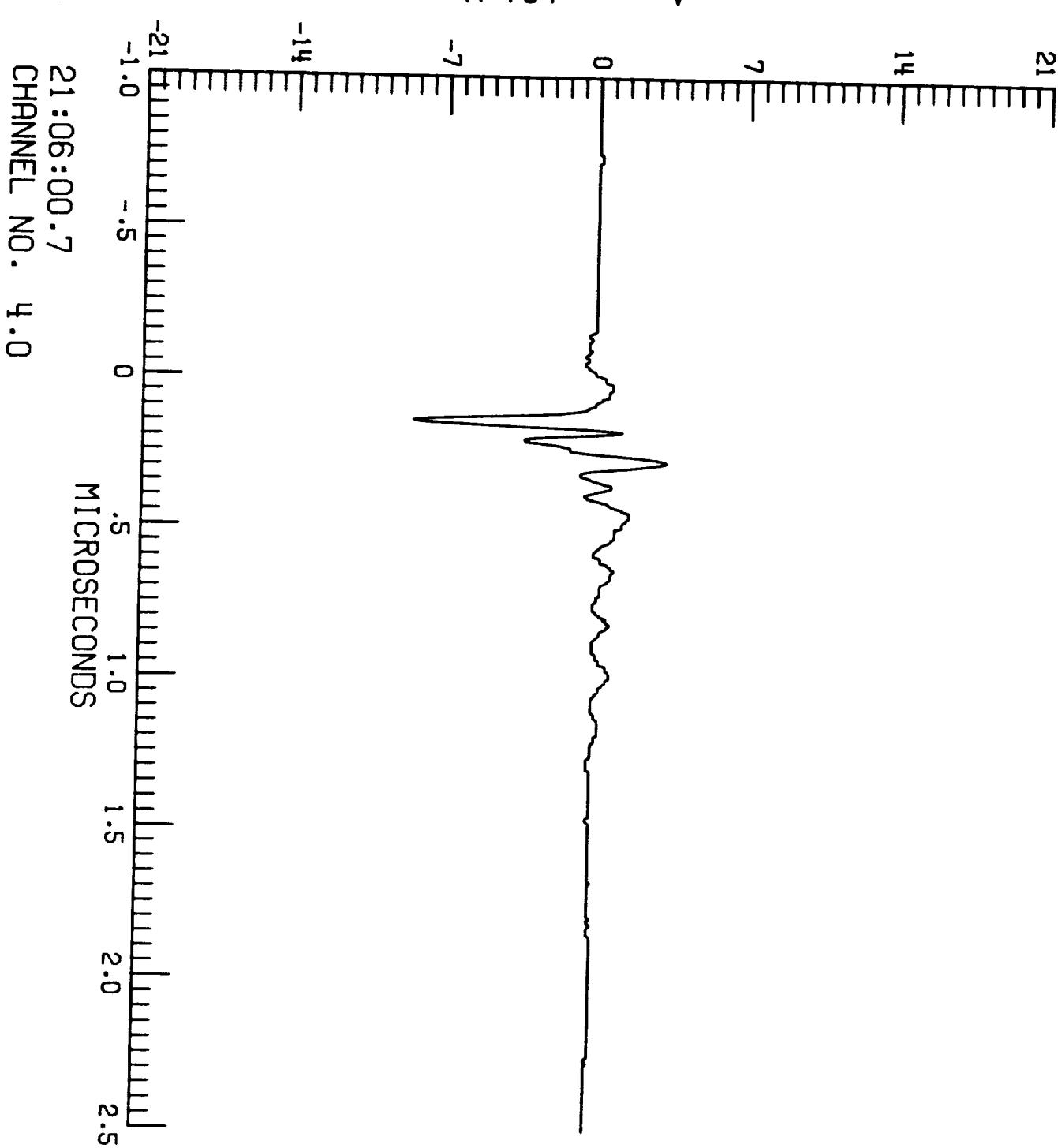
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A

.27

.18

.09

0

-.18

-.09

-.27

-1.0

-.5

0

.5

1.0

1.5

2.0

2.5

MICROSECONDS

21:06:00.7
CHANNEL NO. 4.1

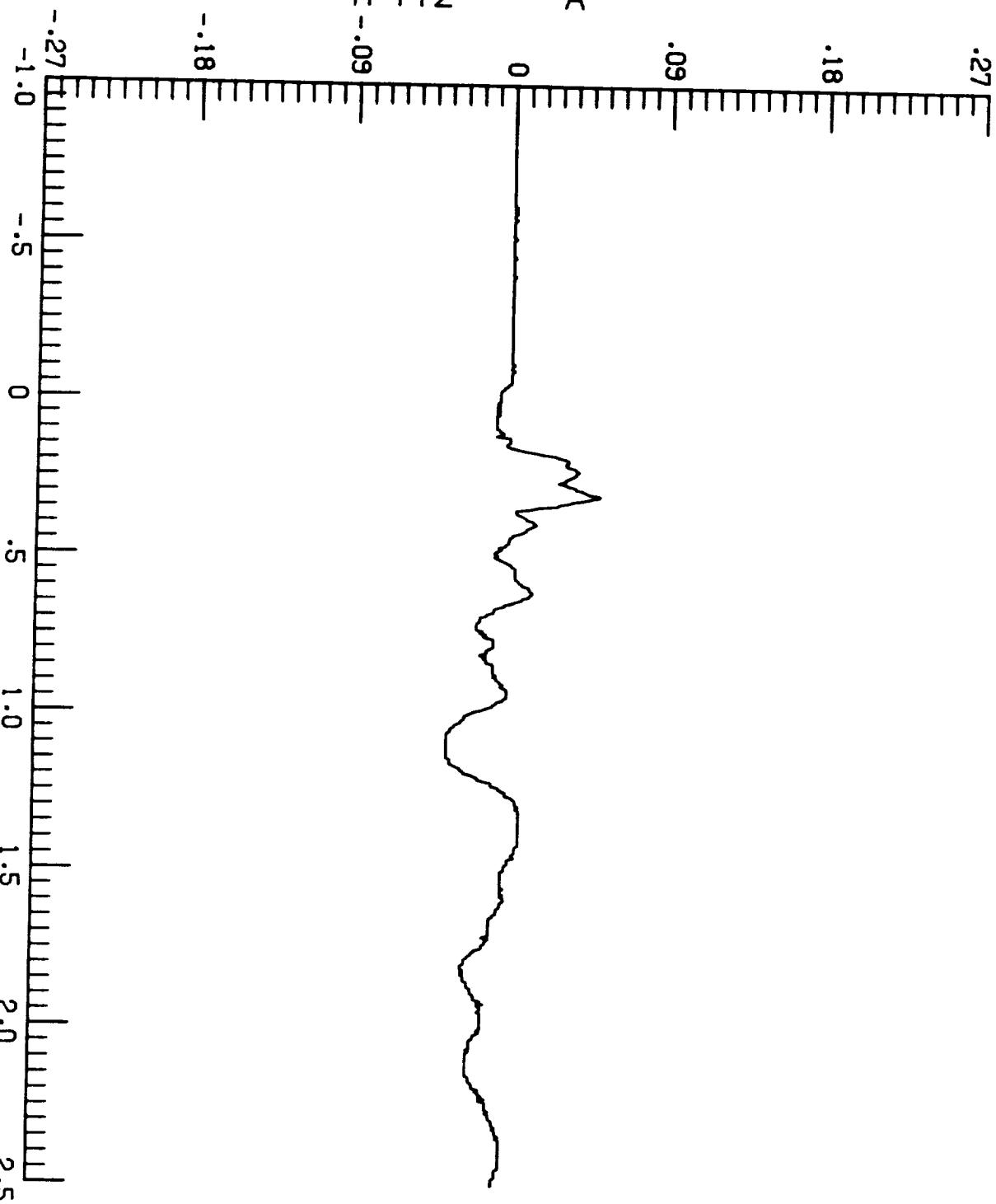
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP112

A



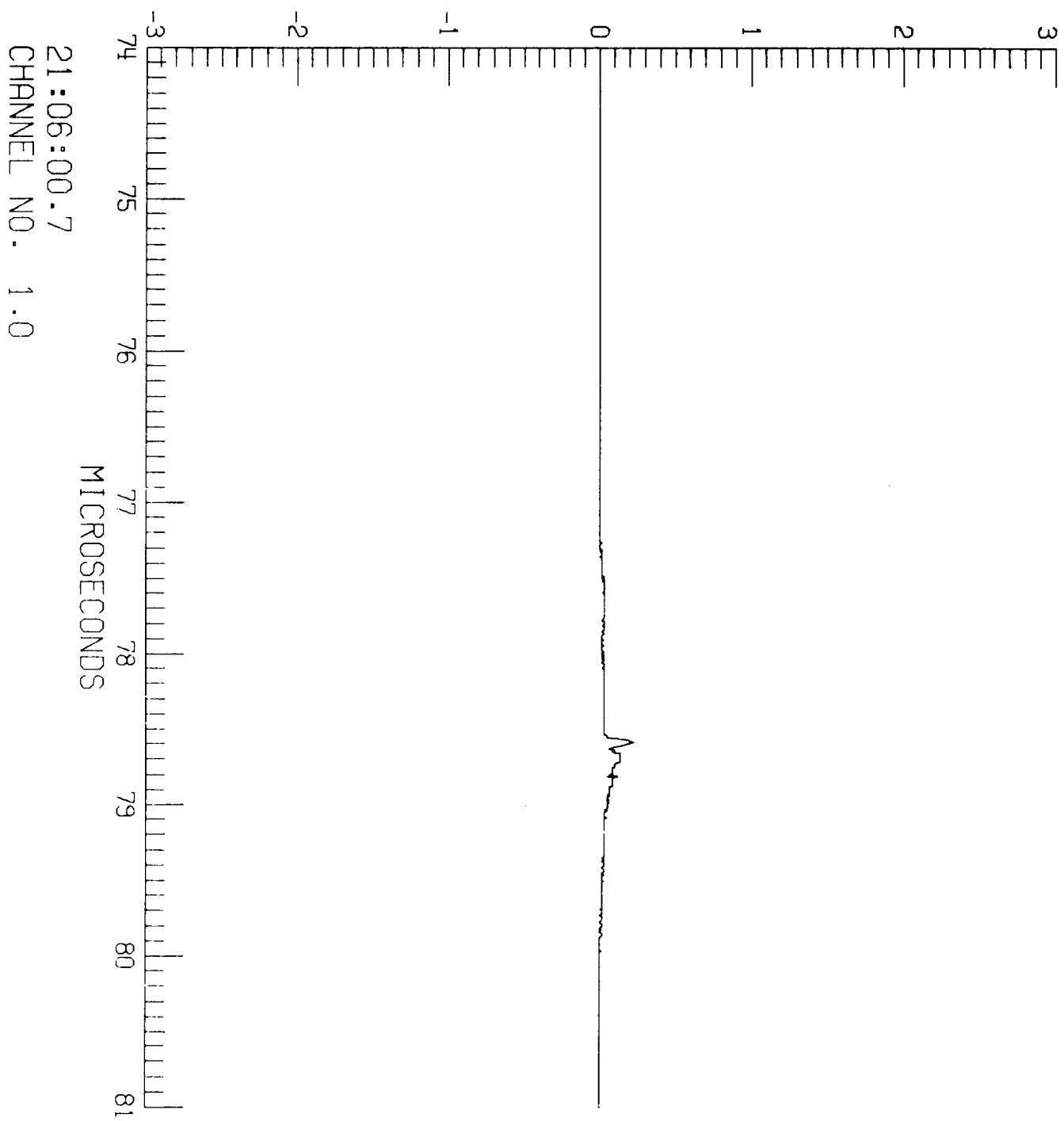
21:06:00.7
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

\dot{D}_t A/m²



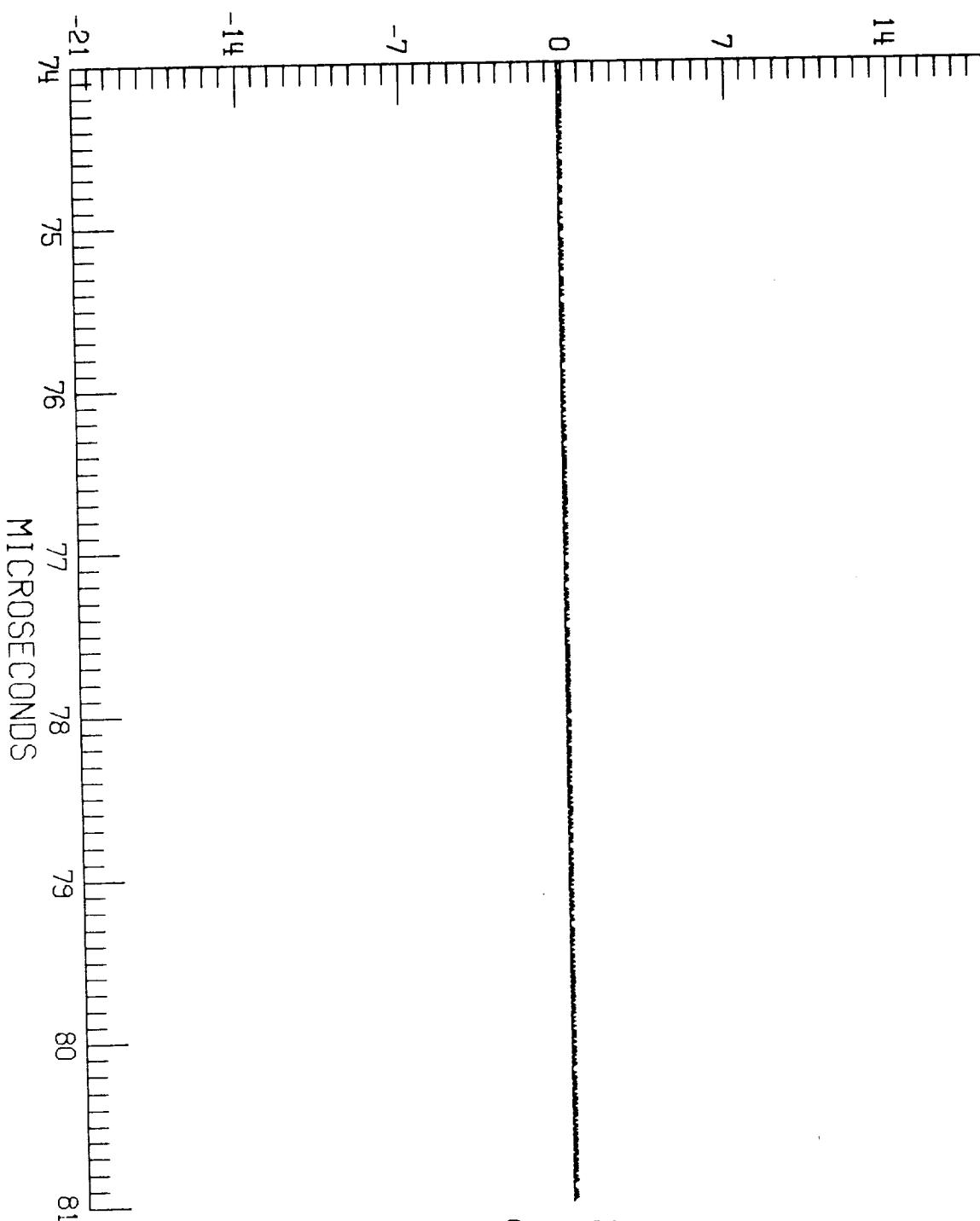
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21×10^3



21:06:00.7
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

B_w

T/s

300

600

900

-300

-600

-900

74

75

76

77

78

79

80

81

MICROSECONDS

21:06:00.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

I A/s

6 x 10¹⁰



21:06:00.7
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

B₁ T/s

300

600

900

-300

-600

-900

MICROSECONDS

74

75

76

77

78

79

80

81

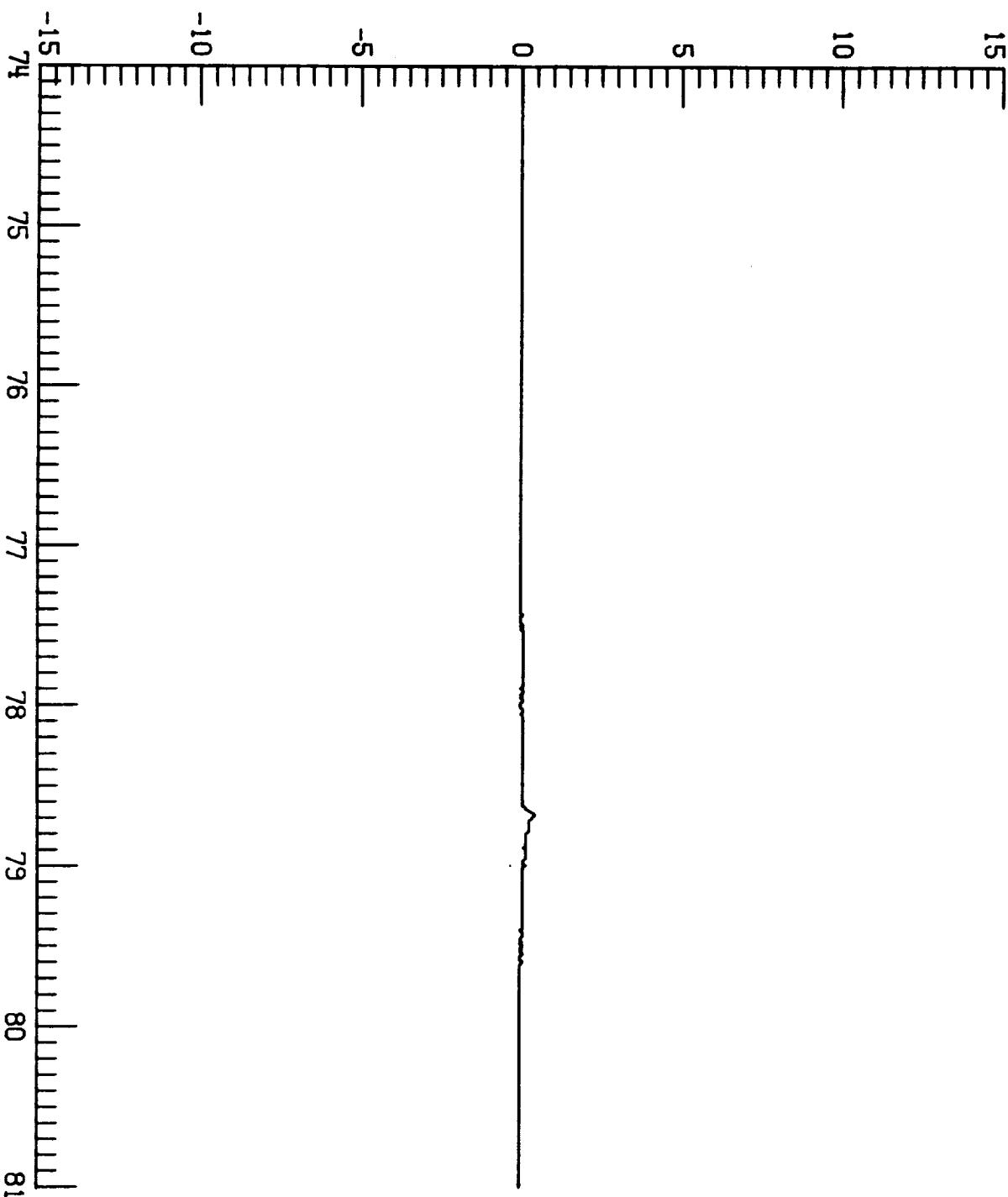
21:06:00.7
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²

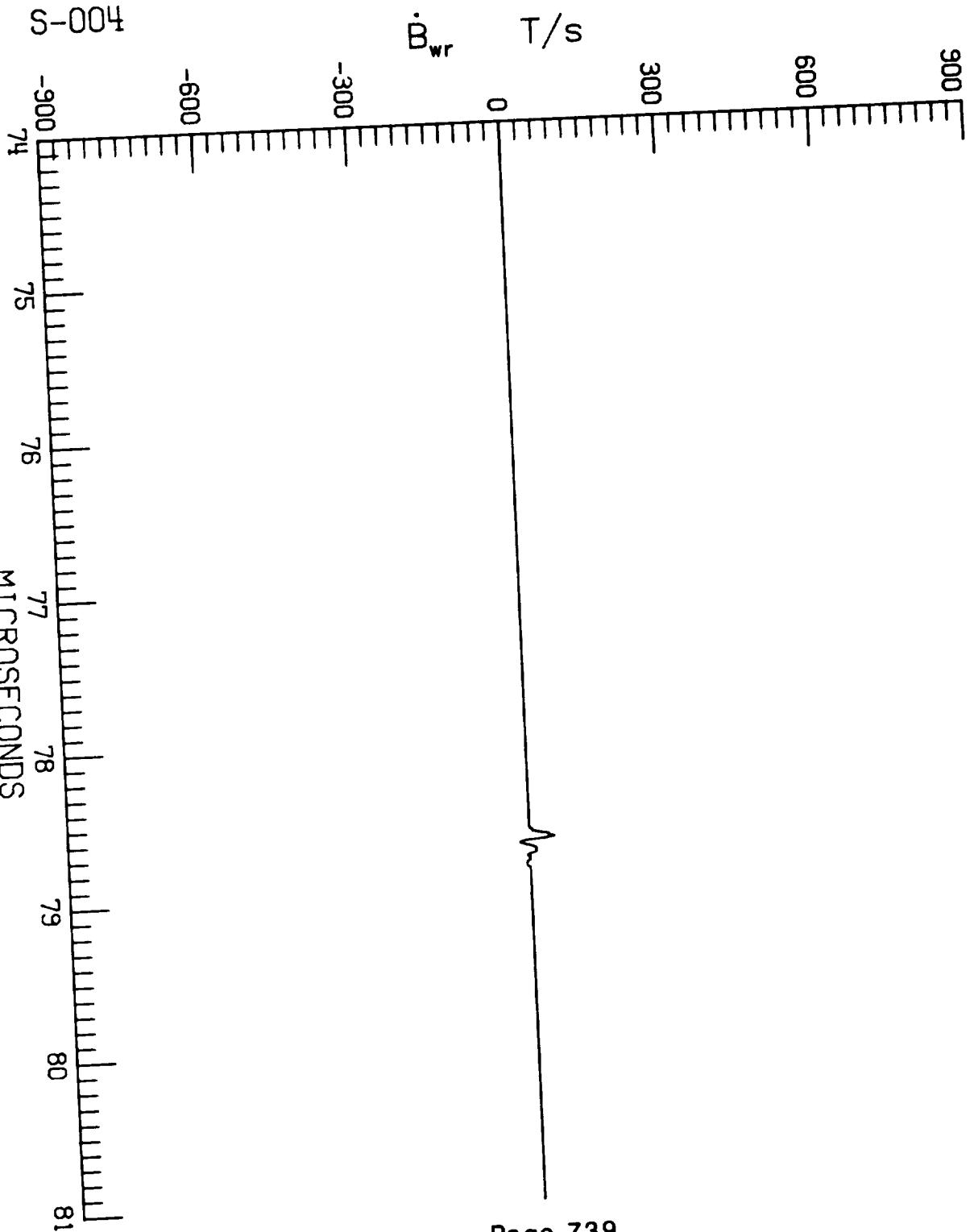


21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004



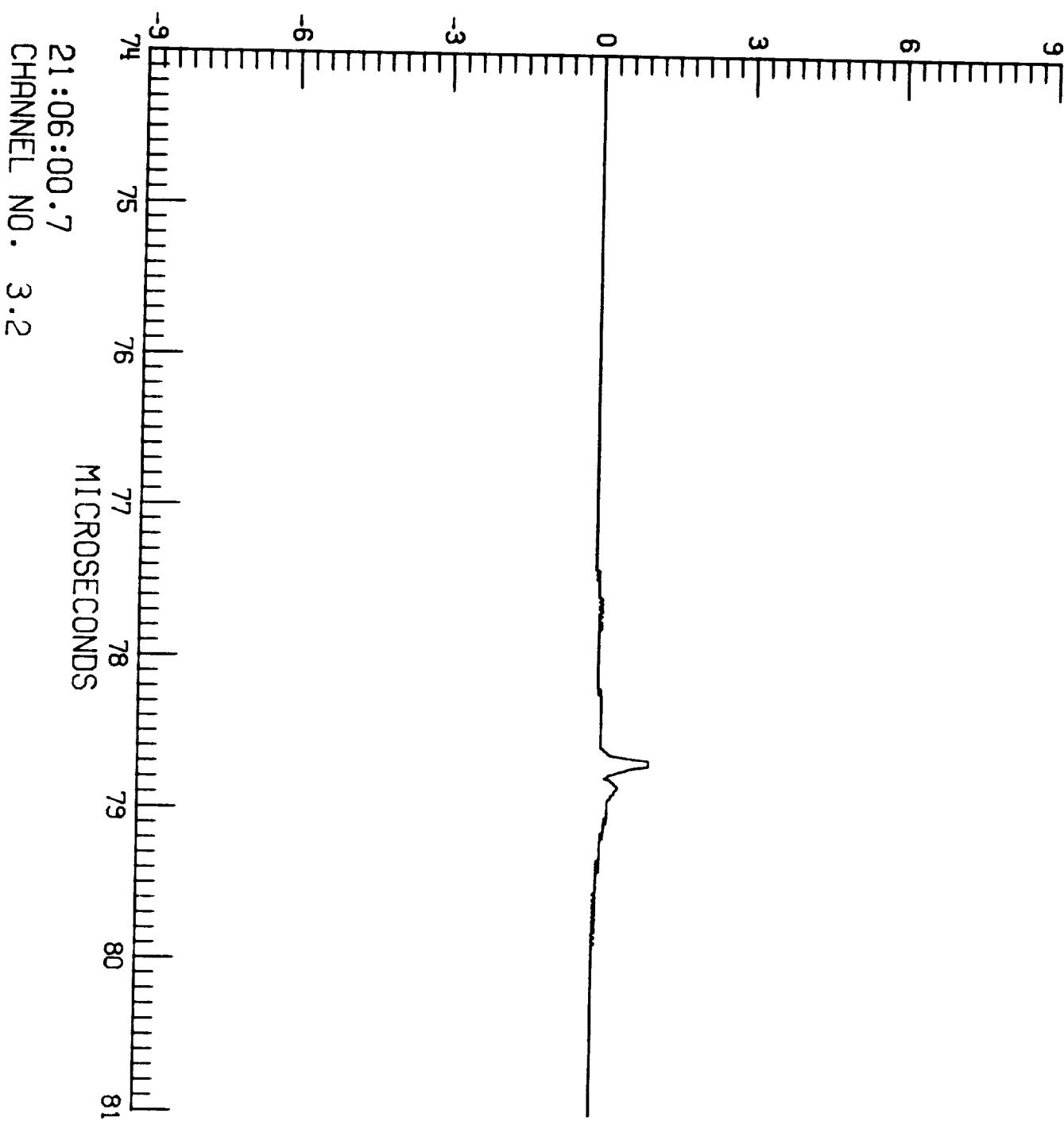
21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V

21

14

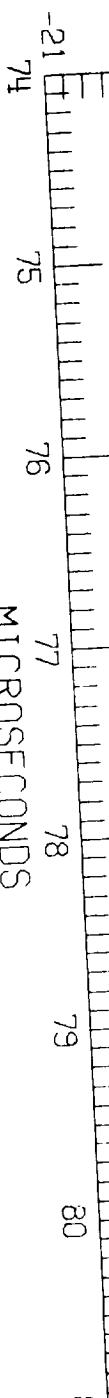
7

0

-5

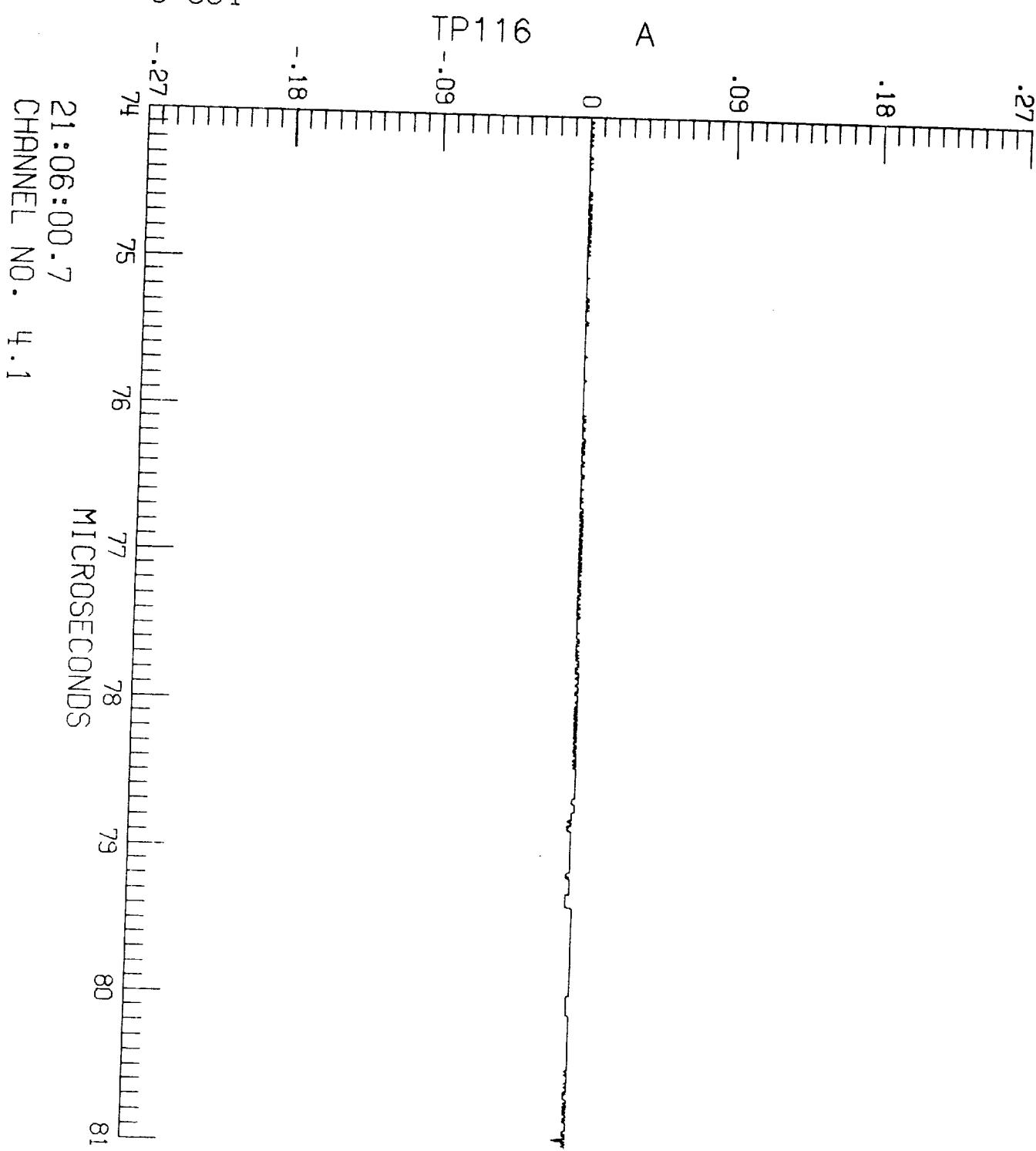
-14

-21



21:06:00.7
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL
LEC 4 RUN NO. 4
S-004



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP112

A

.27

.09

.09

.18

0

-.18

-.27

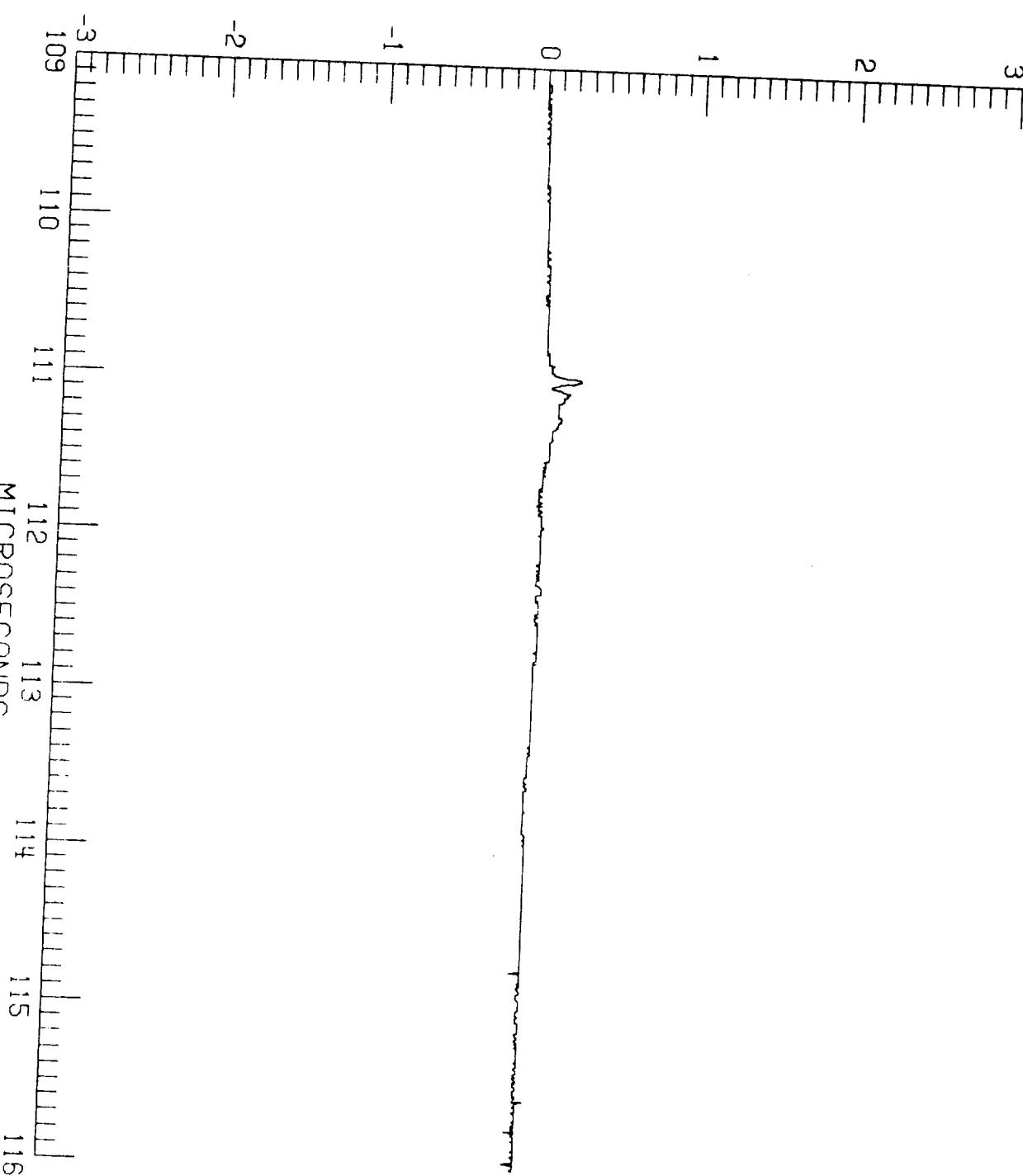
21:06:00.7
CHANNEL NO. 4.2

74
75
76
77
78
79
80
81

MICROSECONDS

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 4
S-004

D_t A/m²



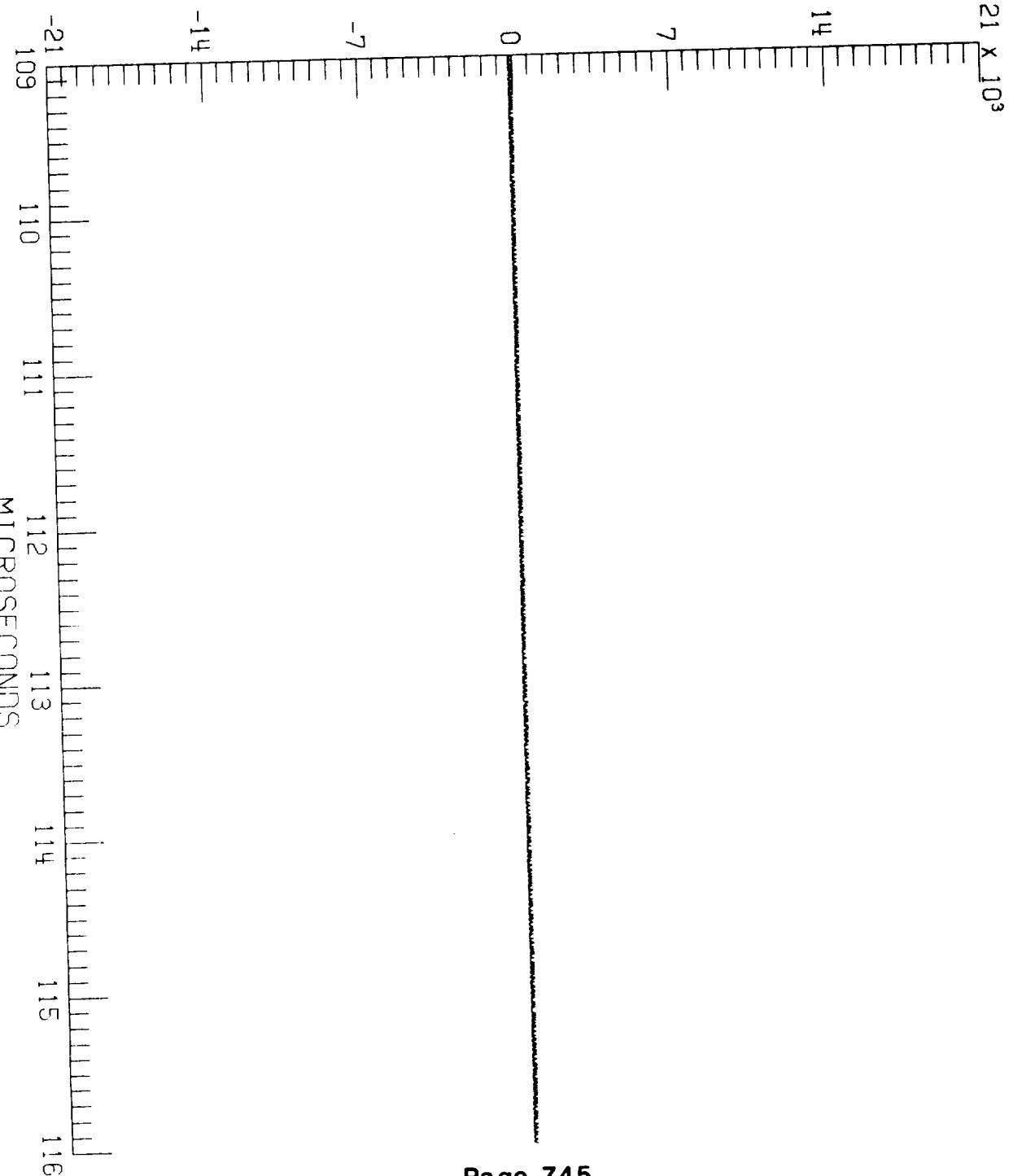
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21 $\times 10^3$

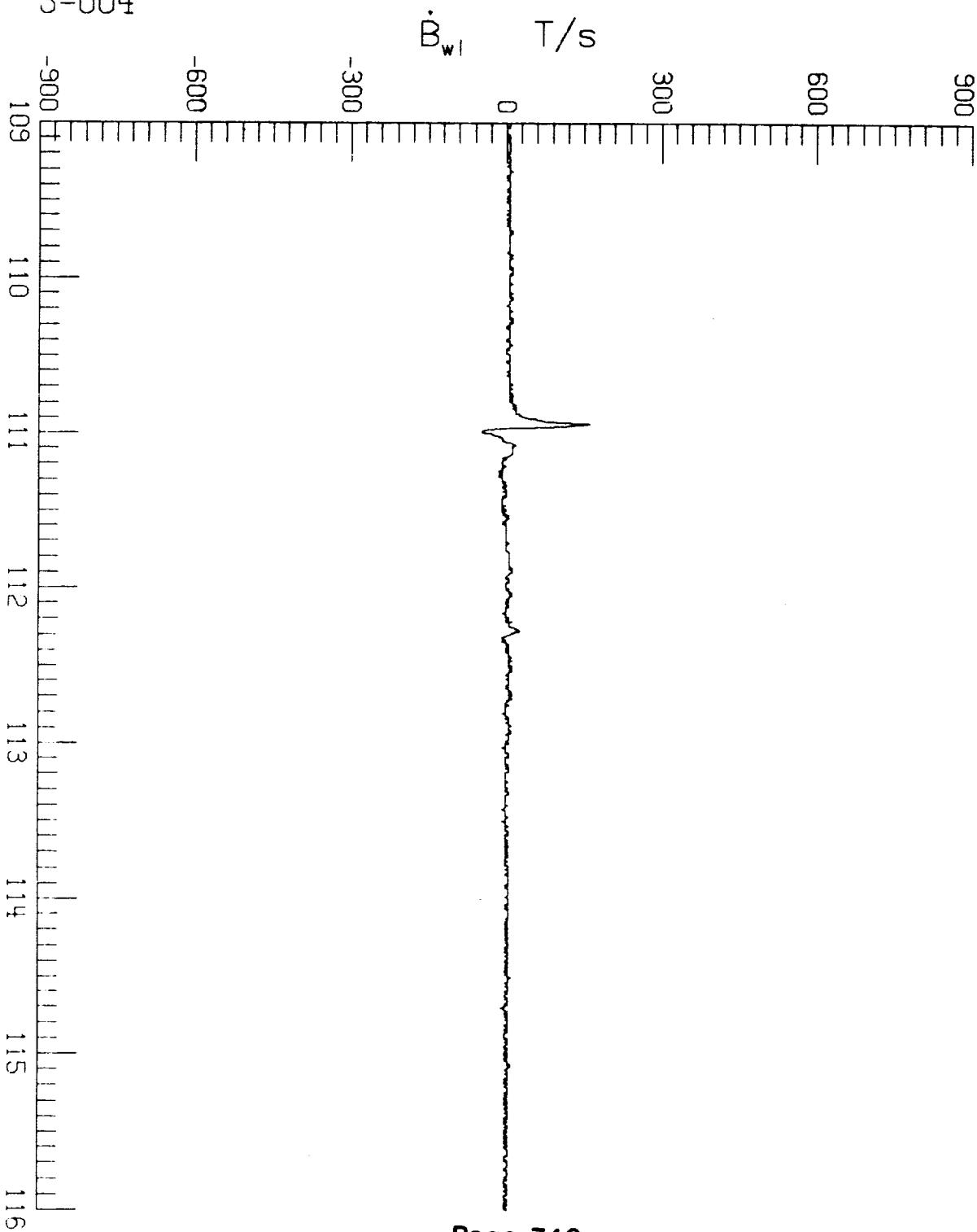


21:06:00.7
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



21:06:00.7
CHANNEL NO. 2.0

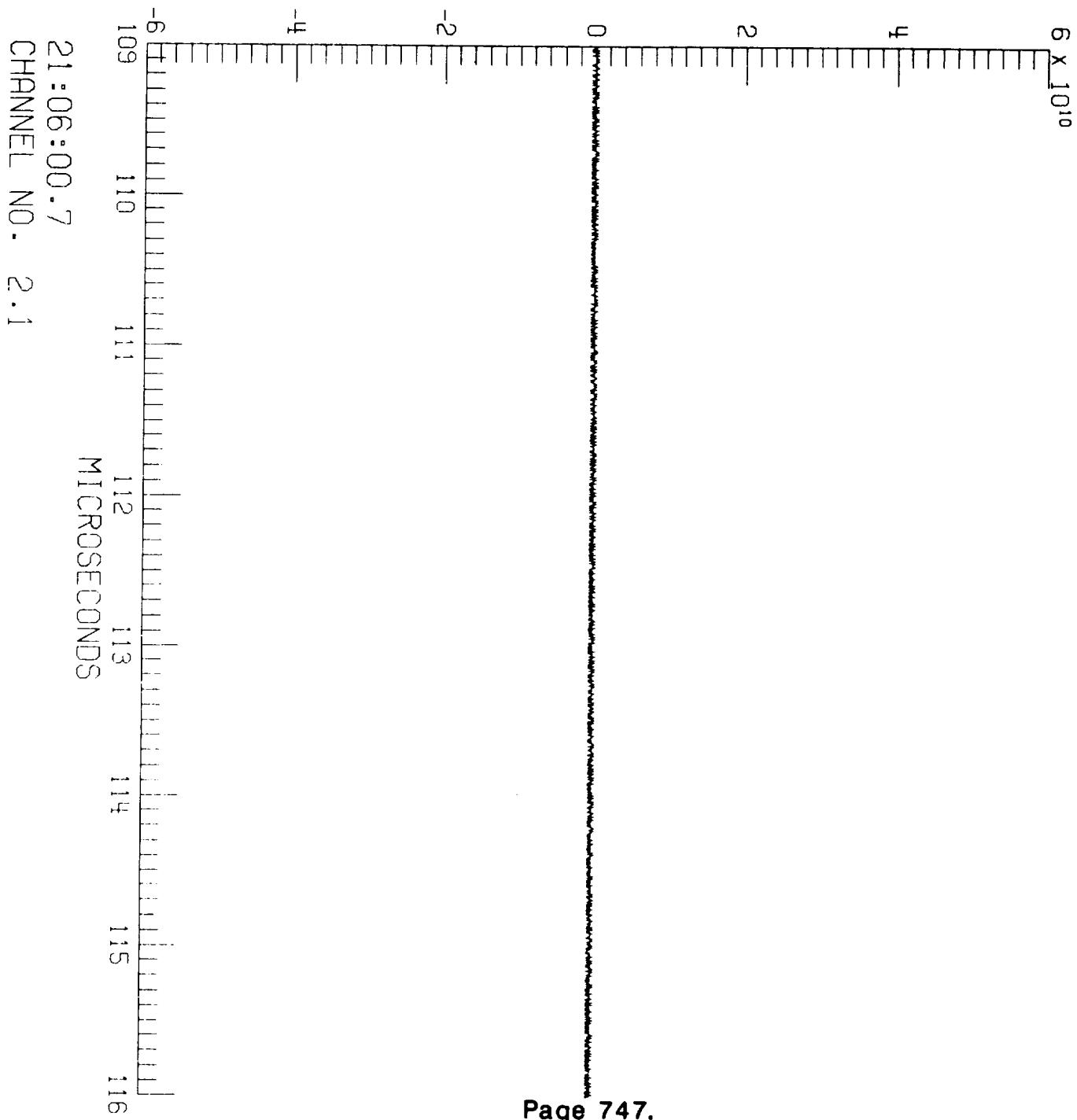
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

\dot{I} A/s

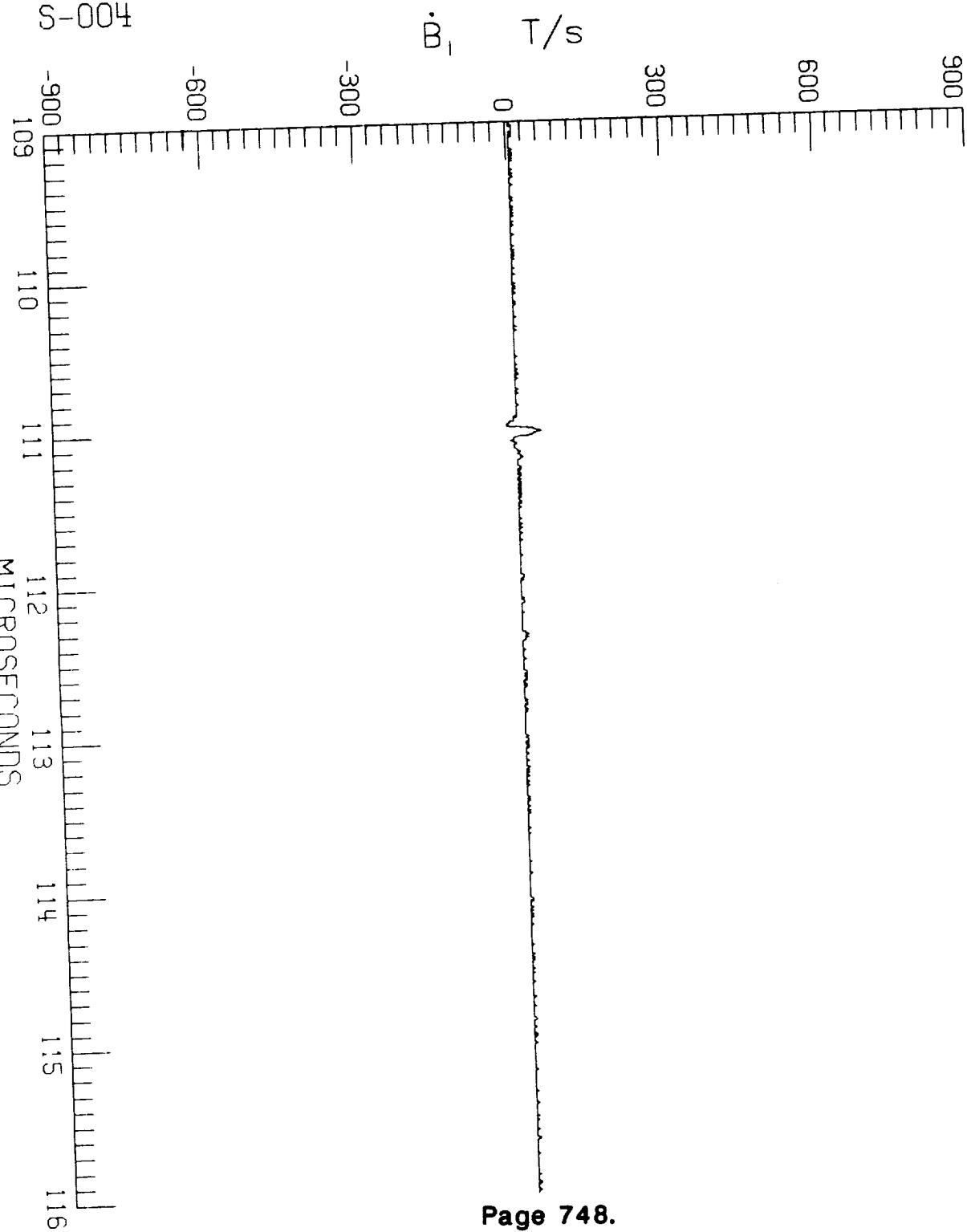
6 $\times 10^{10}$



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

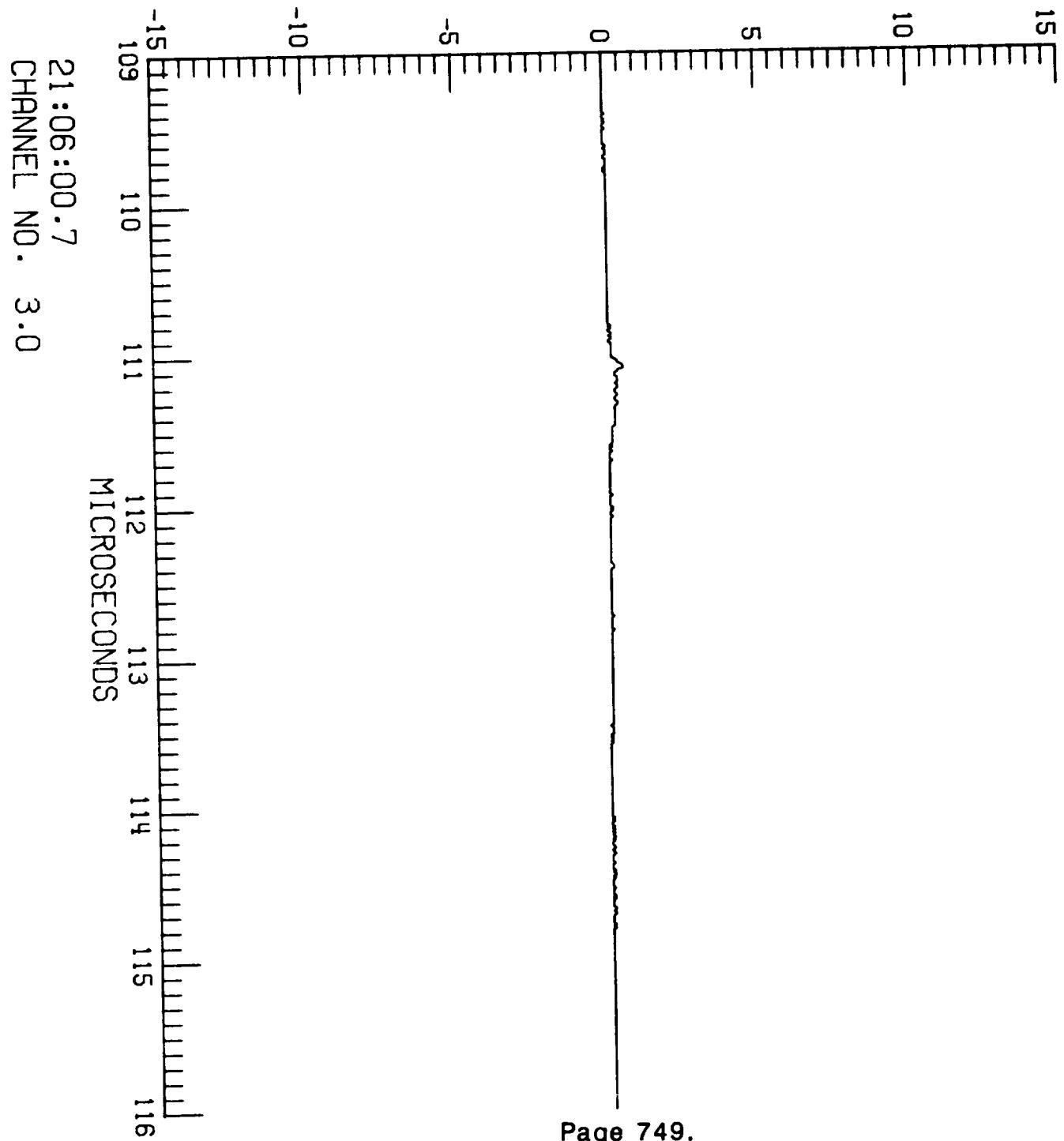


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²

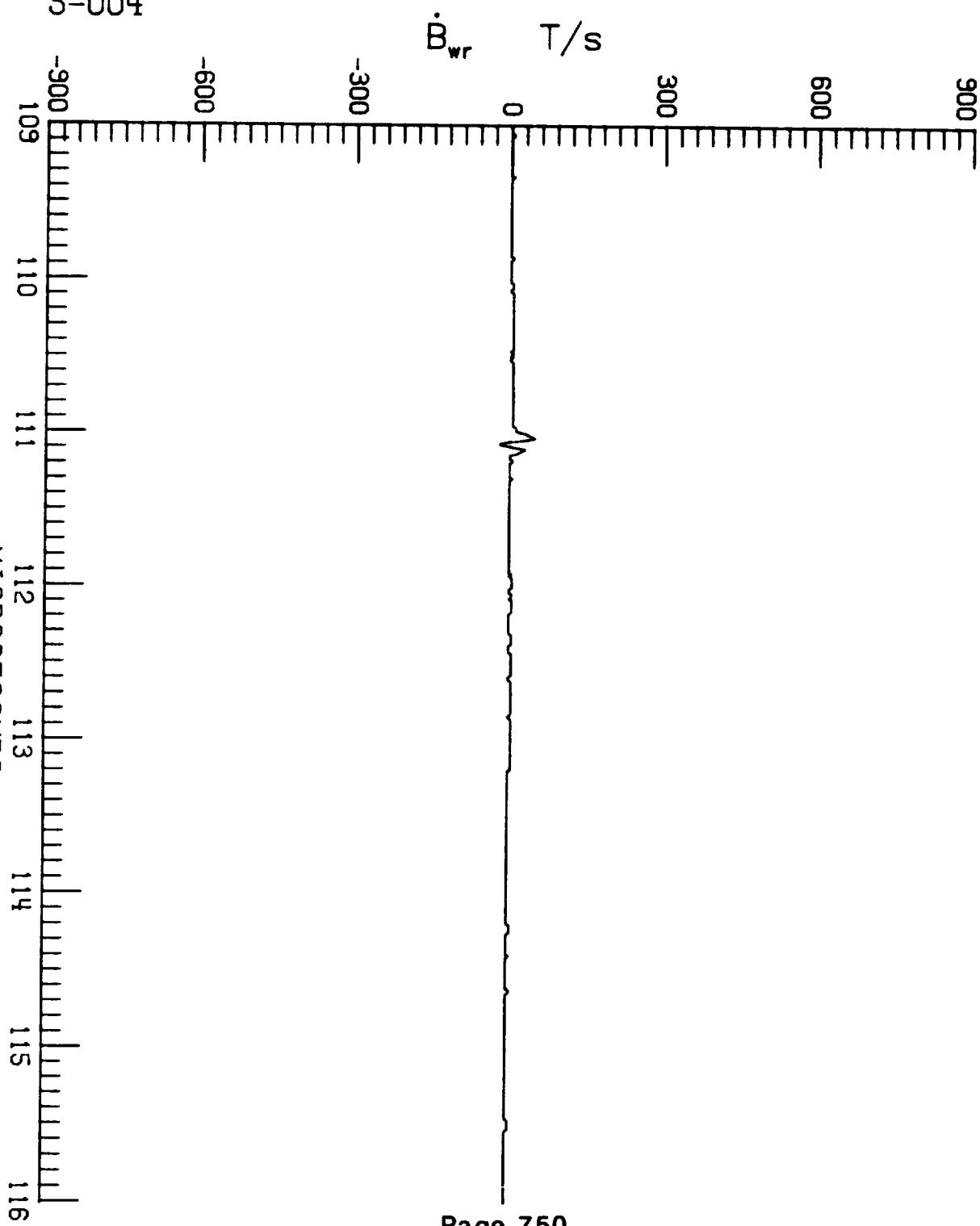


21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004



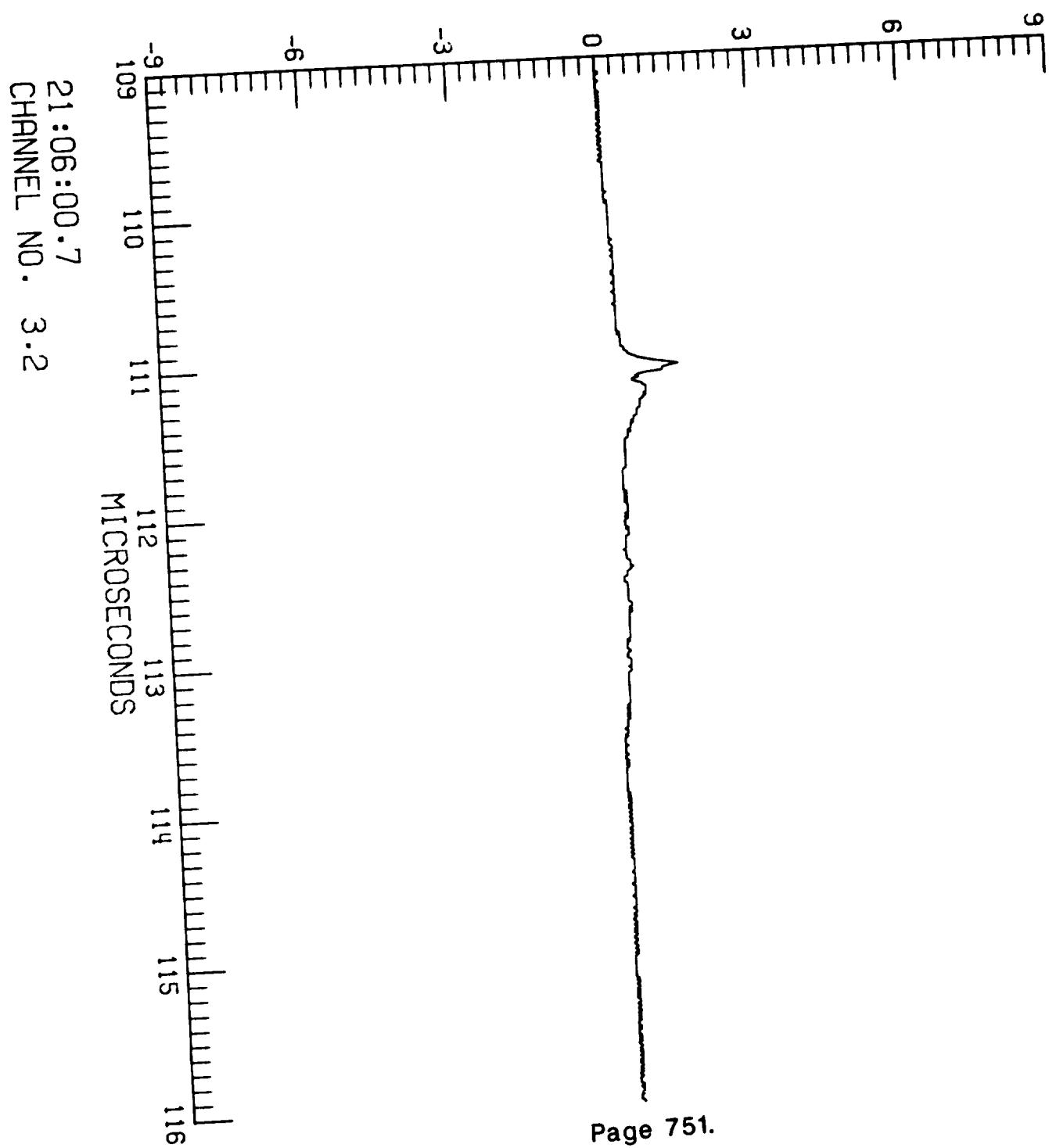
21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

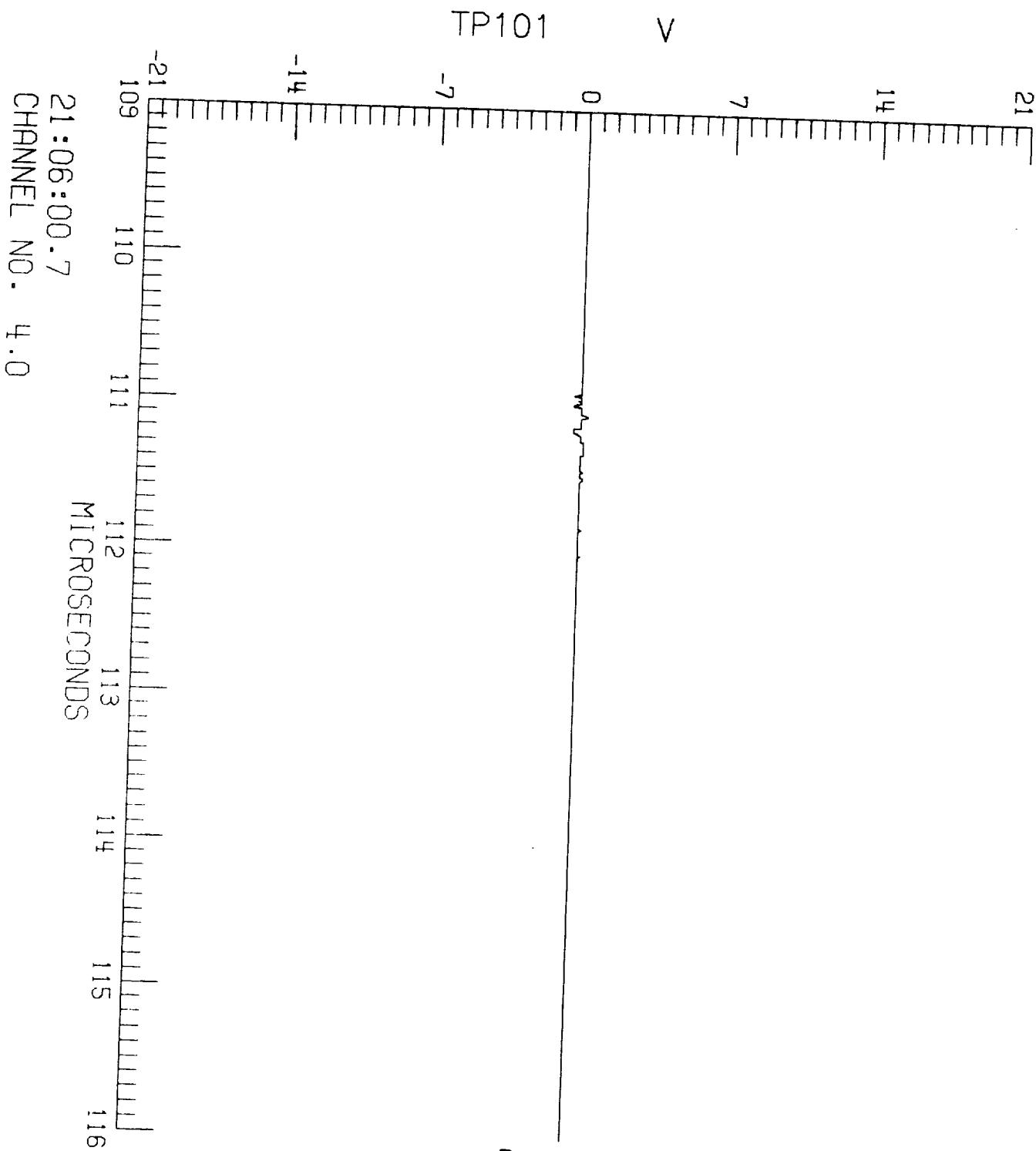
S-004

\dot{D}_f A/m²



21:06:00.7
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 4 RUN NO. 4
S-004



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A

.27

.18

.09

0

-.09

-.18

-.27

109

110

111

112

113

114

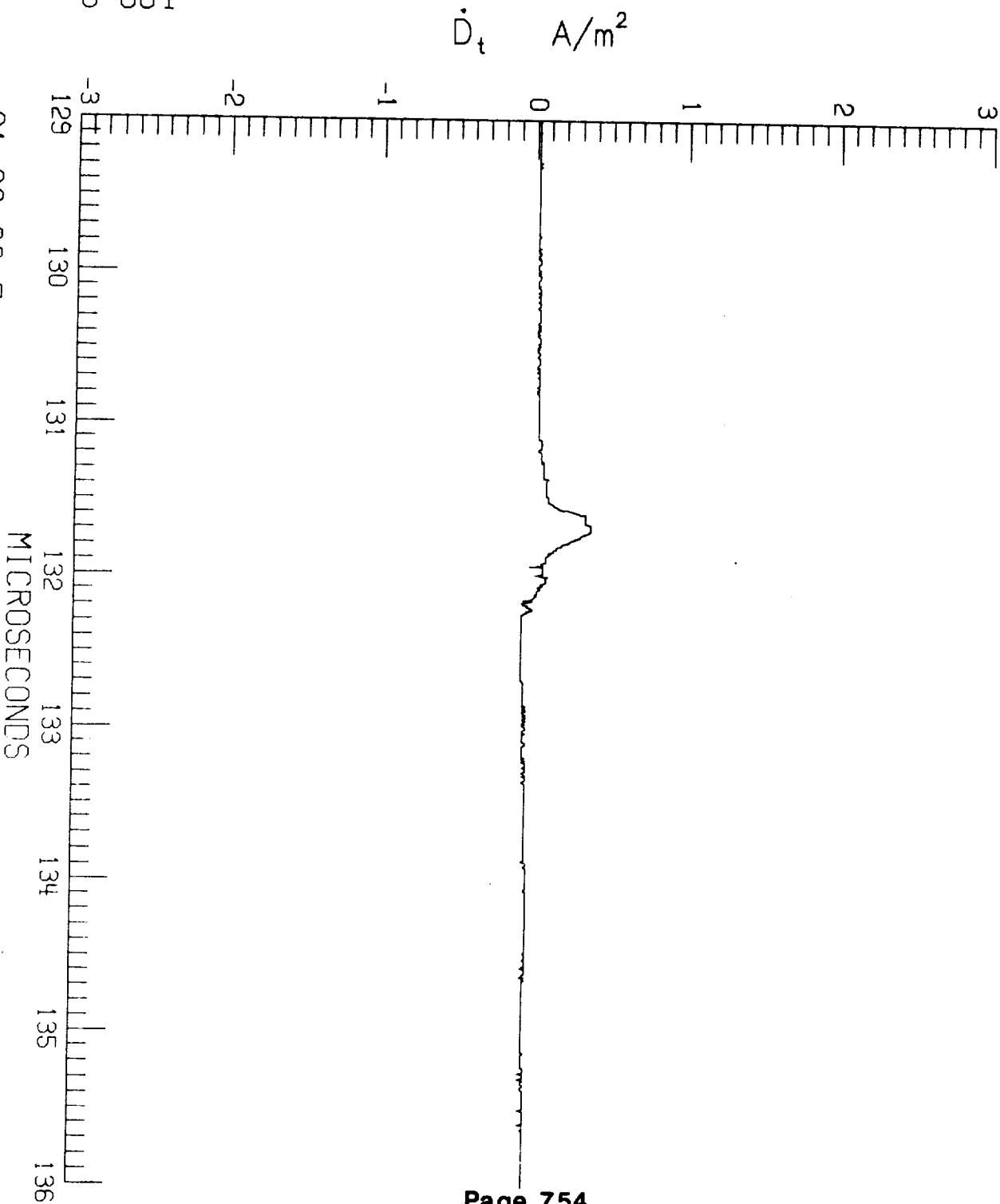
115

116

MICROSECONDS

21:06:00.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 4
S-004



21:06:00.7
CHANNEL NO. 1.0

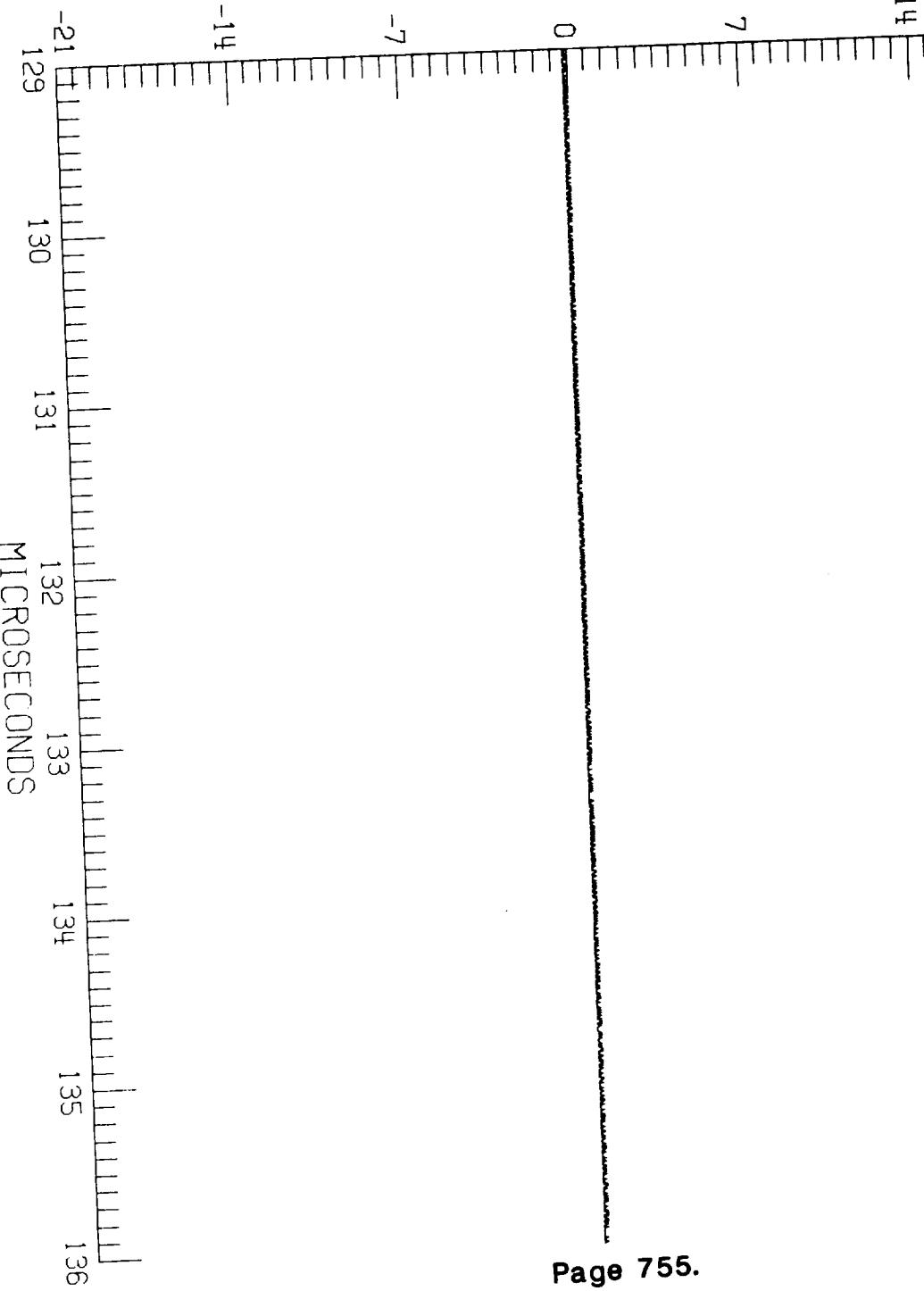
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21 $\times 10^3$

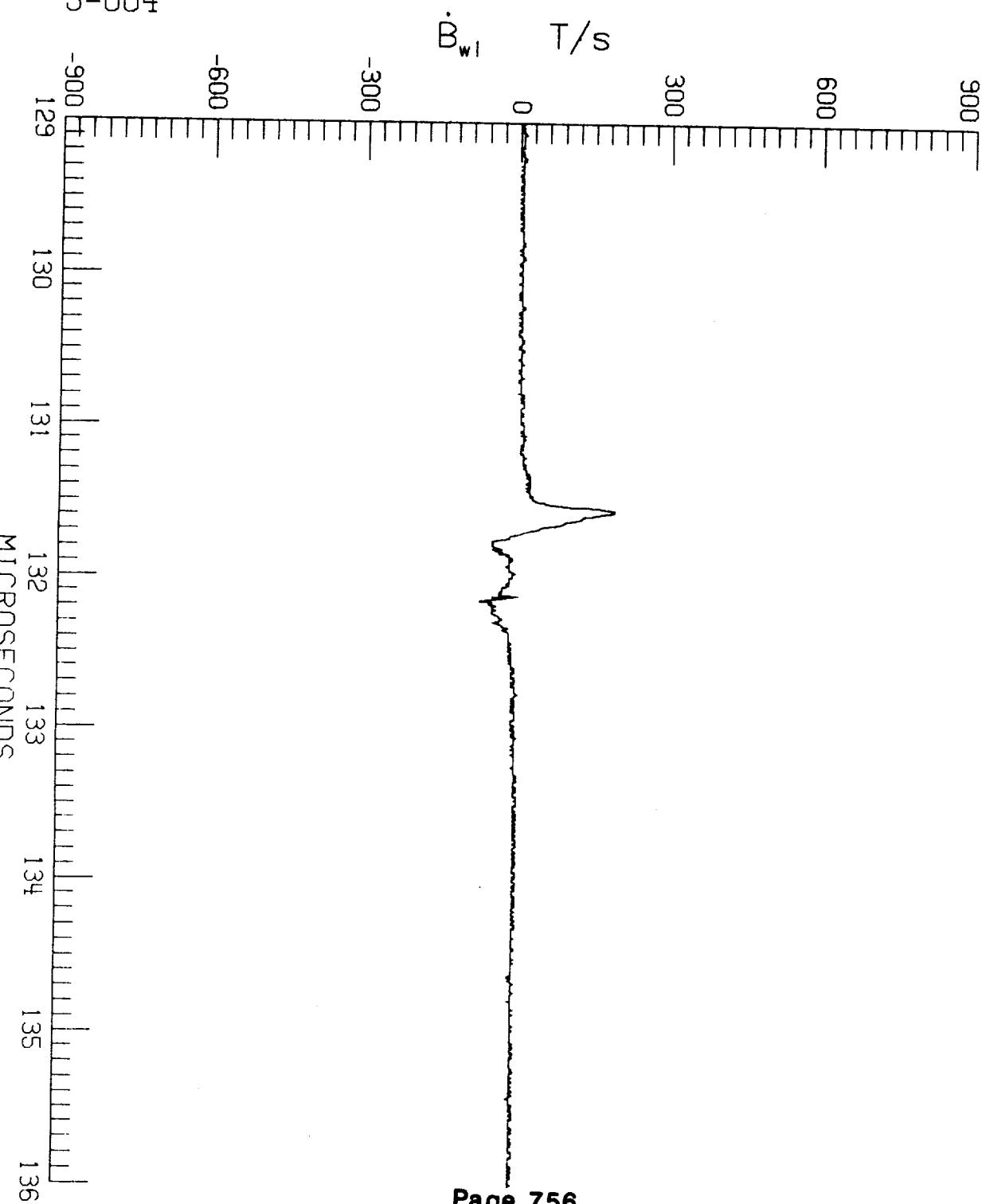


21:06:00 - 7
CHANNEL NO. - 1.2

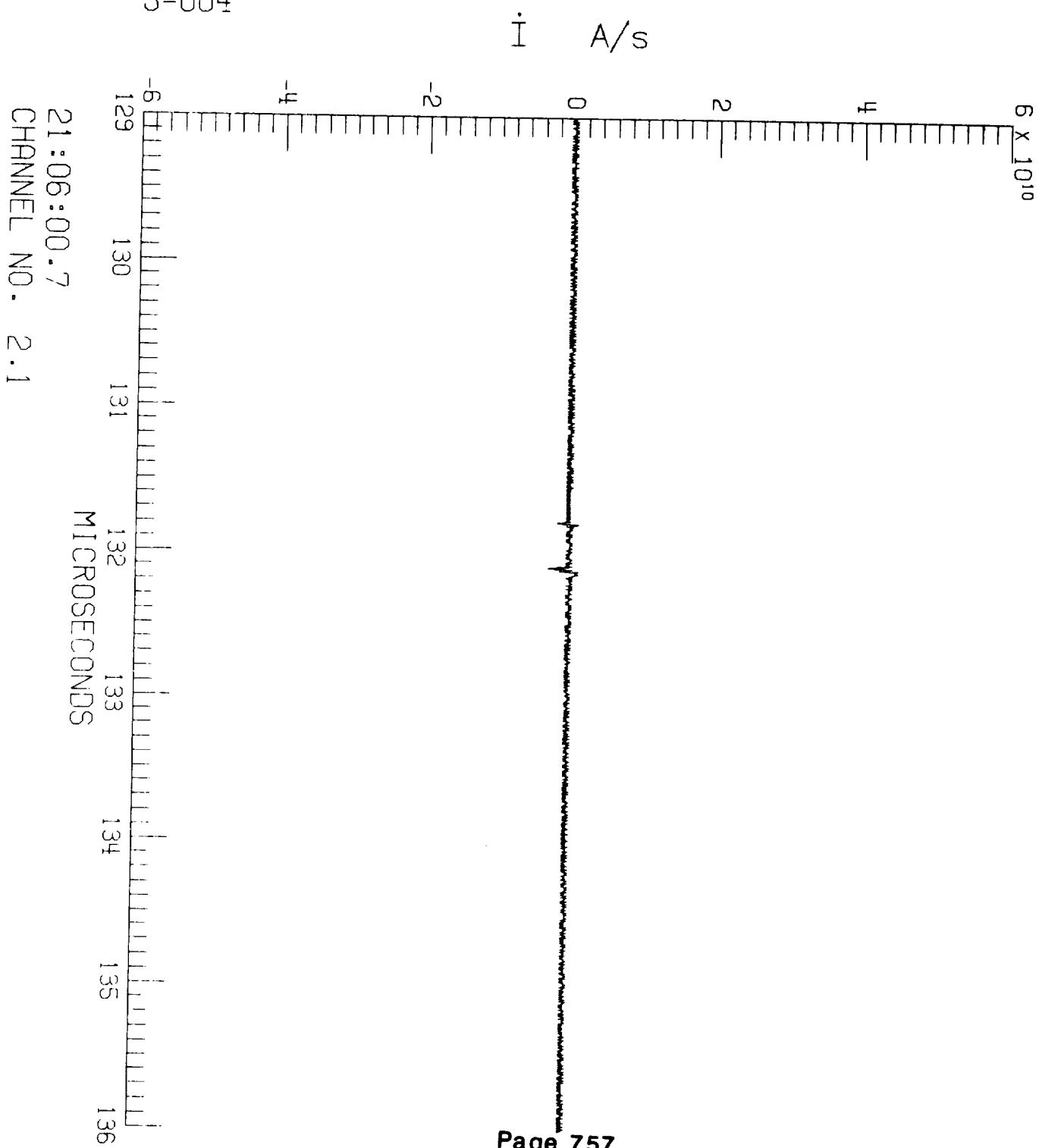
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



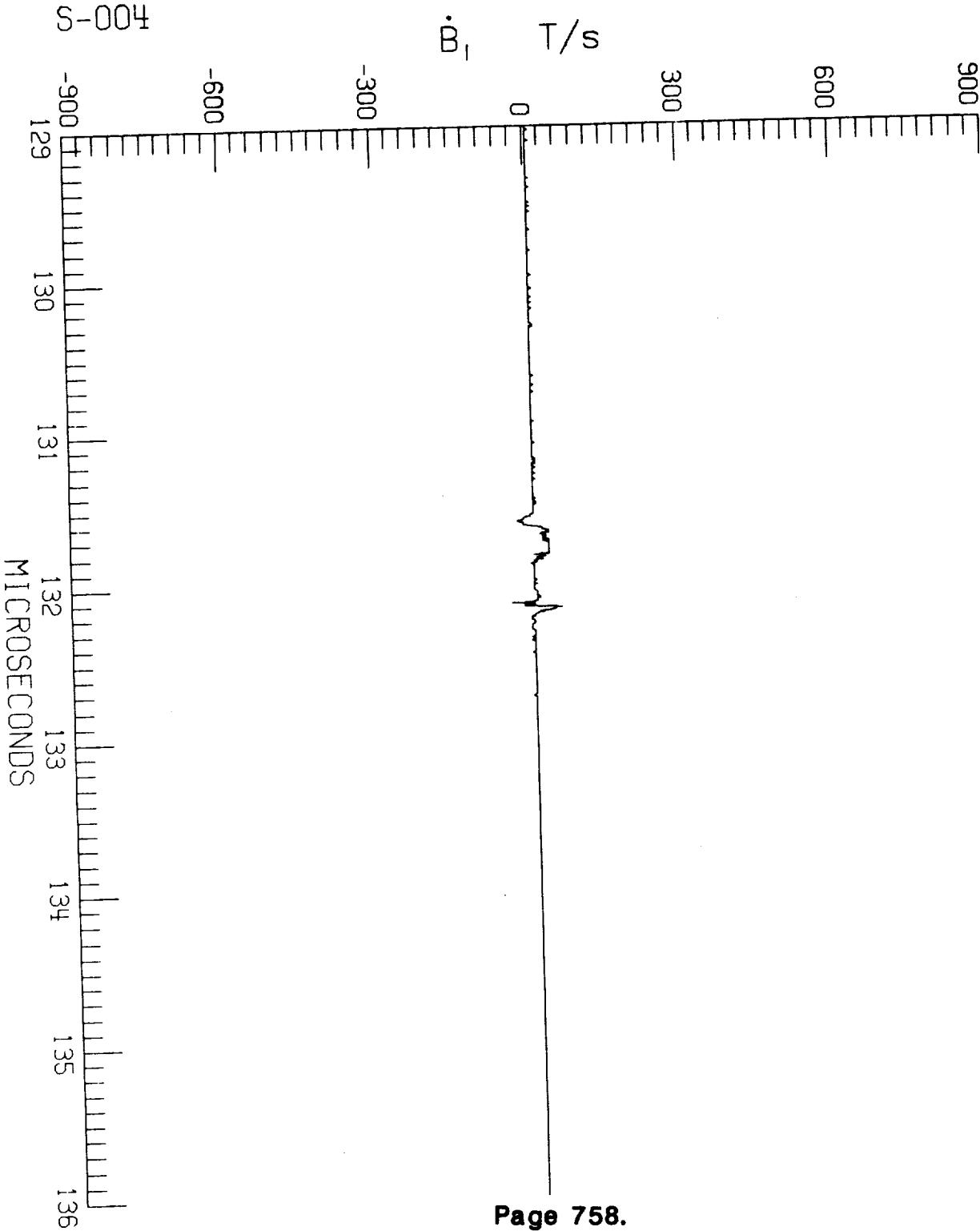
F106 LIGHTNING/85-035/ZAEPFEL
LEC 2 RUN NO. 4
S-004



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



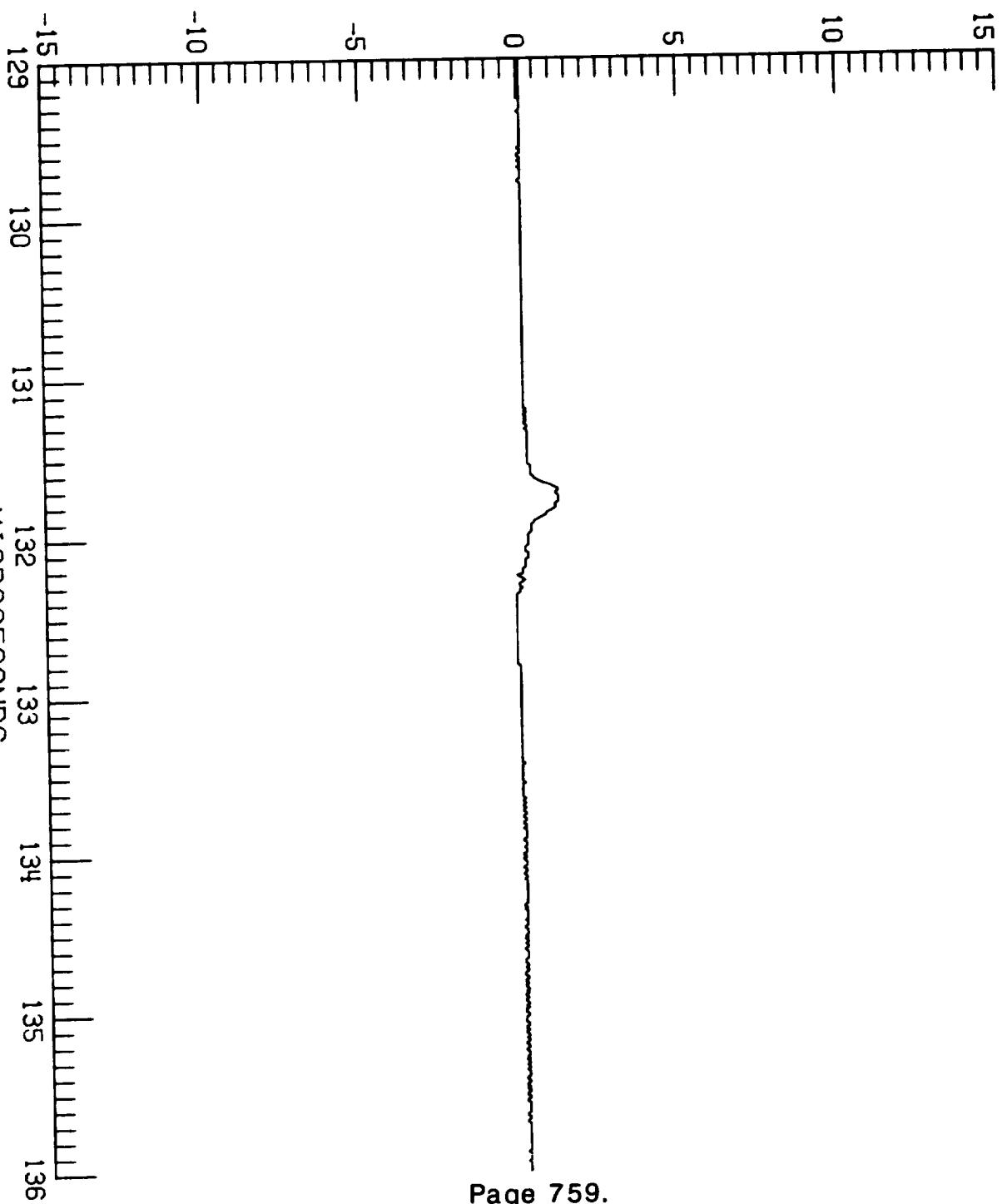
21:06:00.7
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²

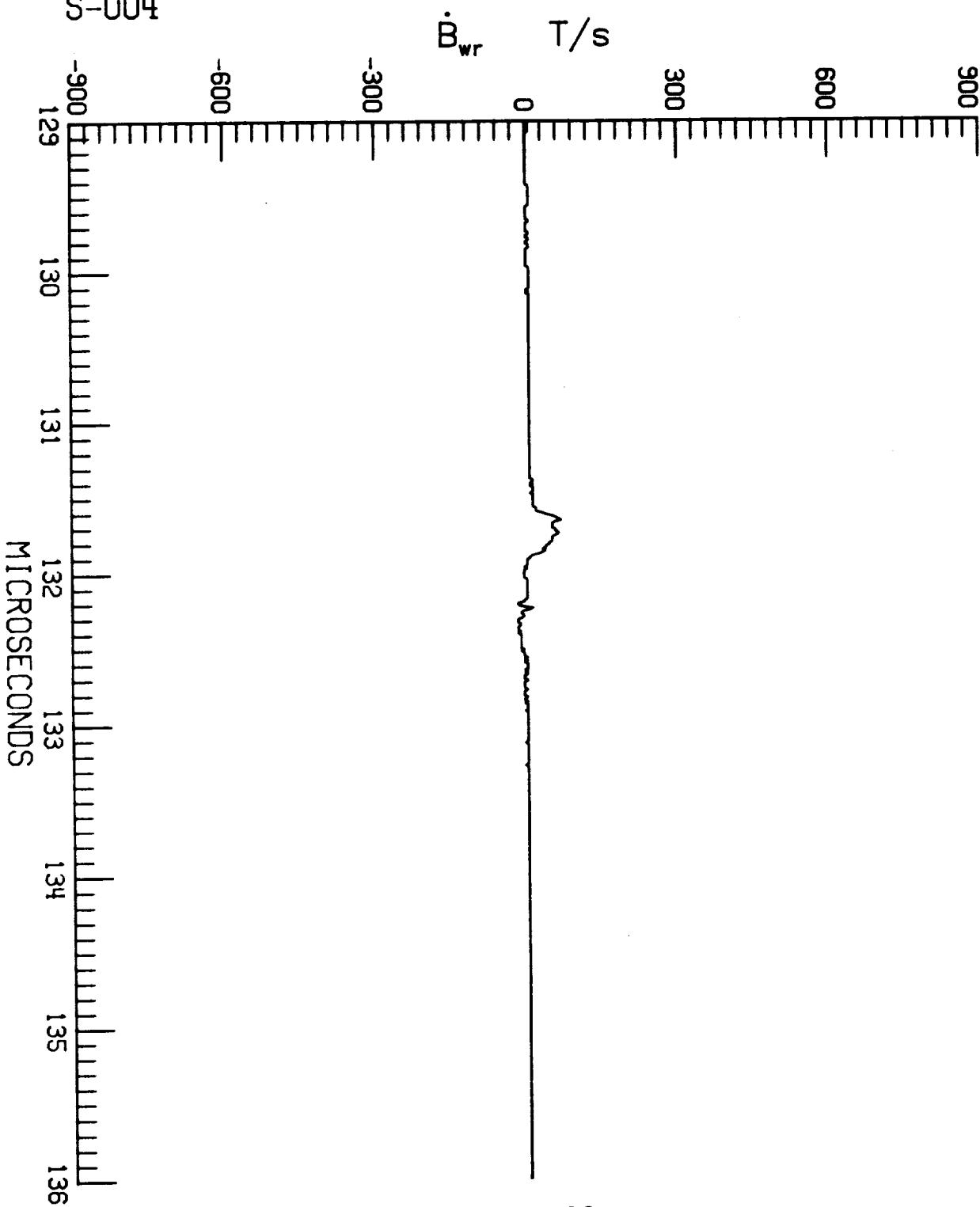


21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004



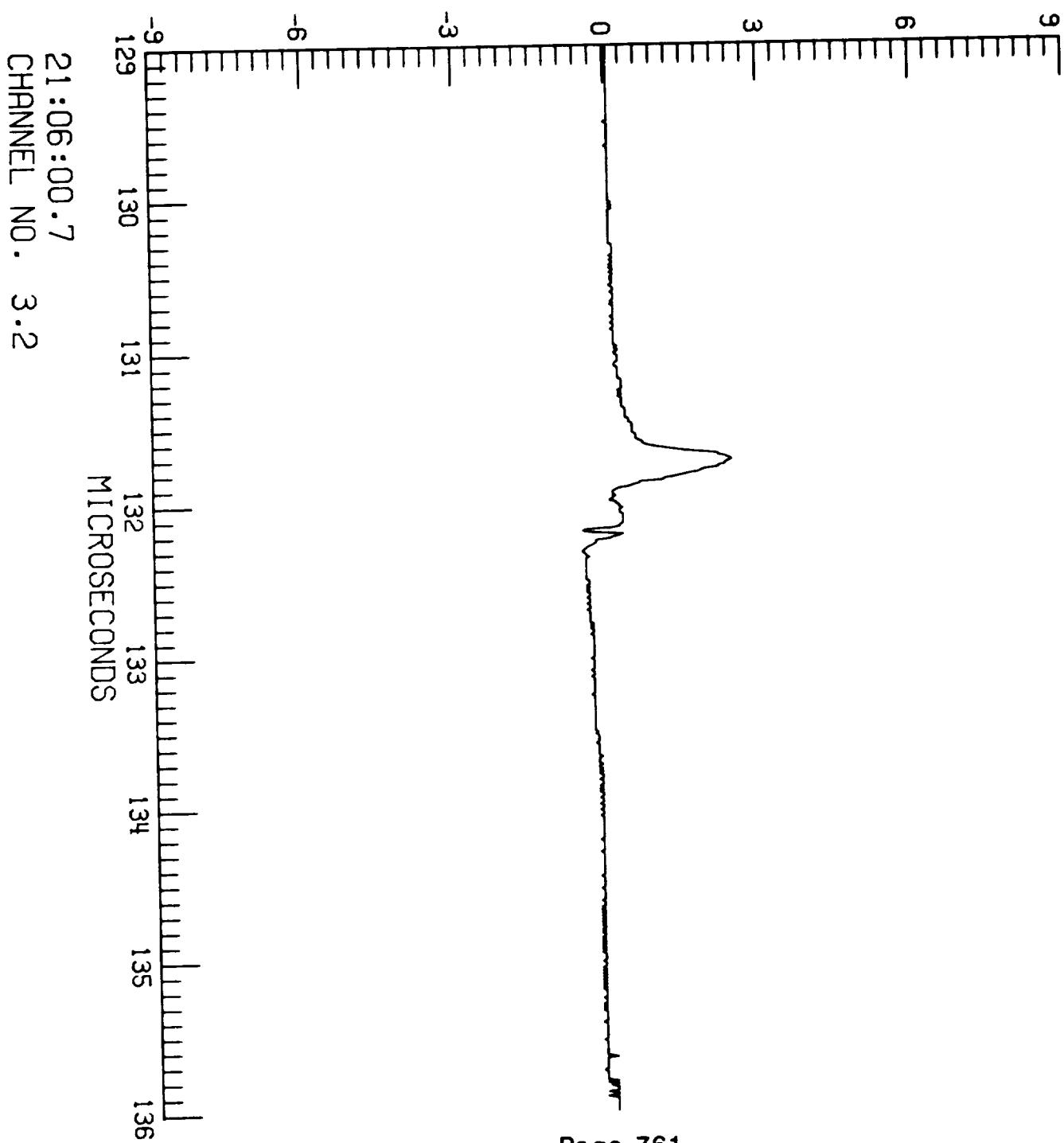
21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²



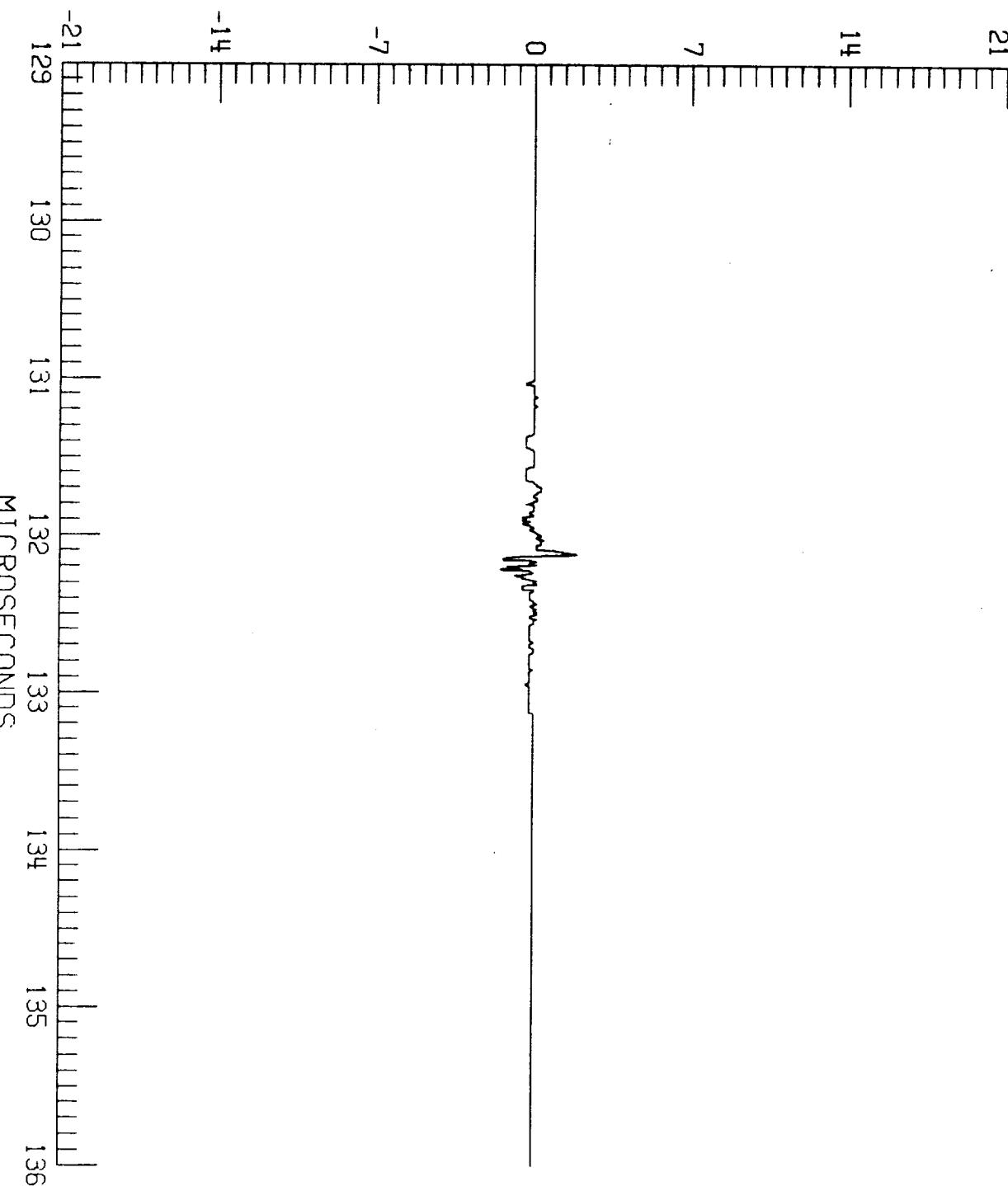
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A

.27

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-.27

129

130

131

132

133

134

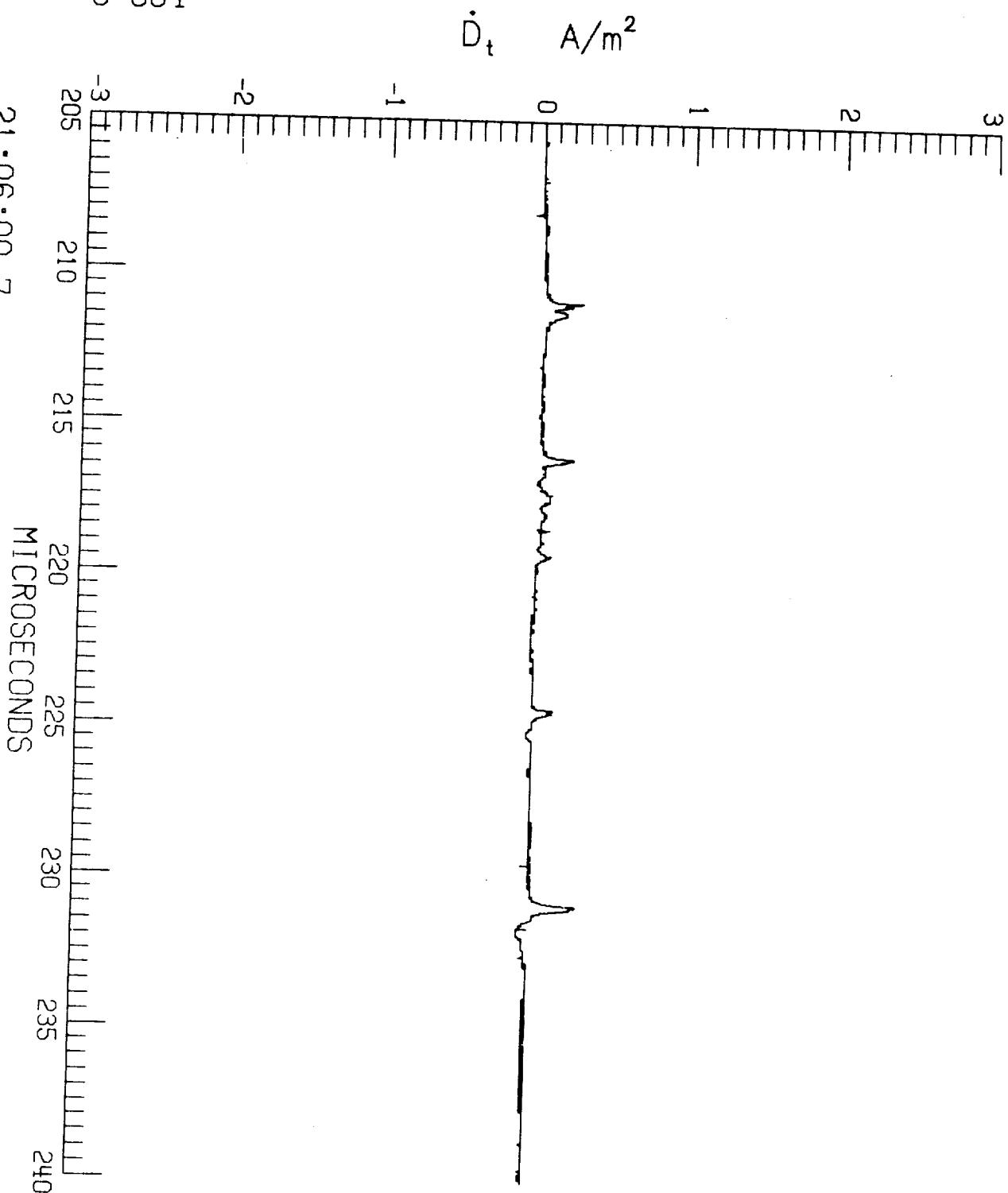
135

136

MICROSECONDS

21:06:00.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 4
S-004



21:06:00.7
CHANNEL NO. 1.0

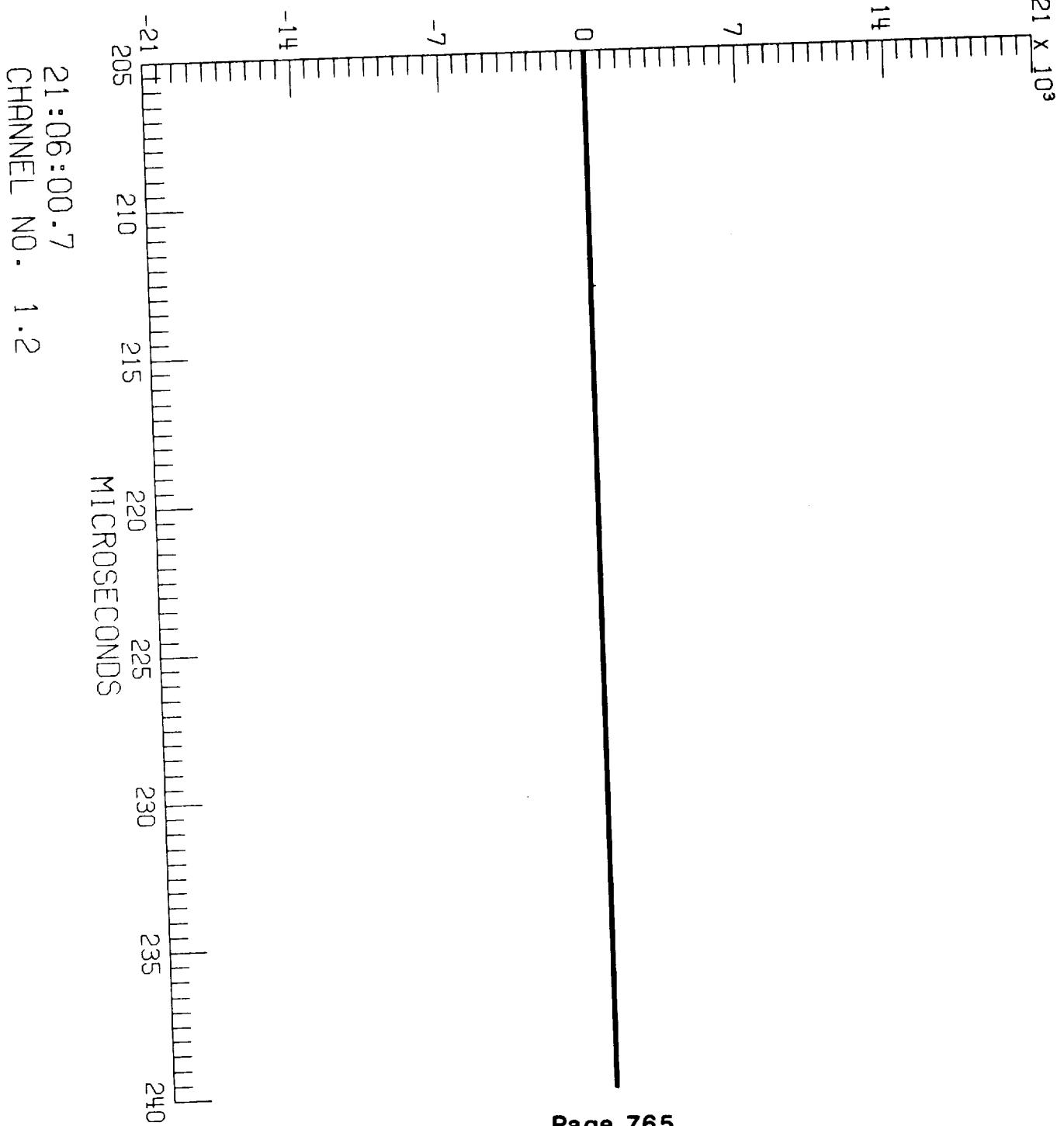
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

I_t A

21 x 10³

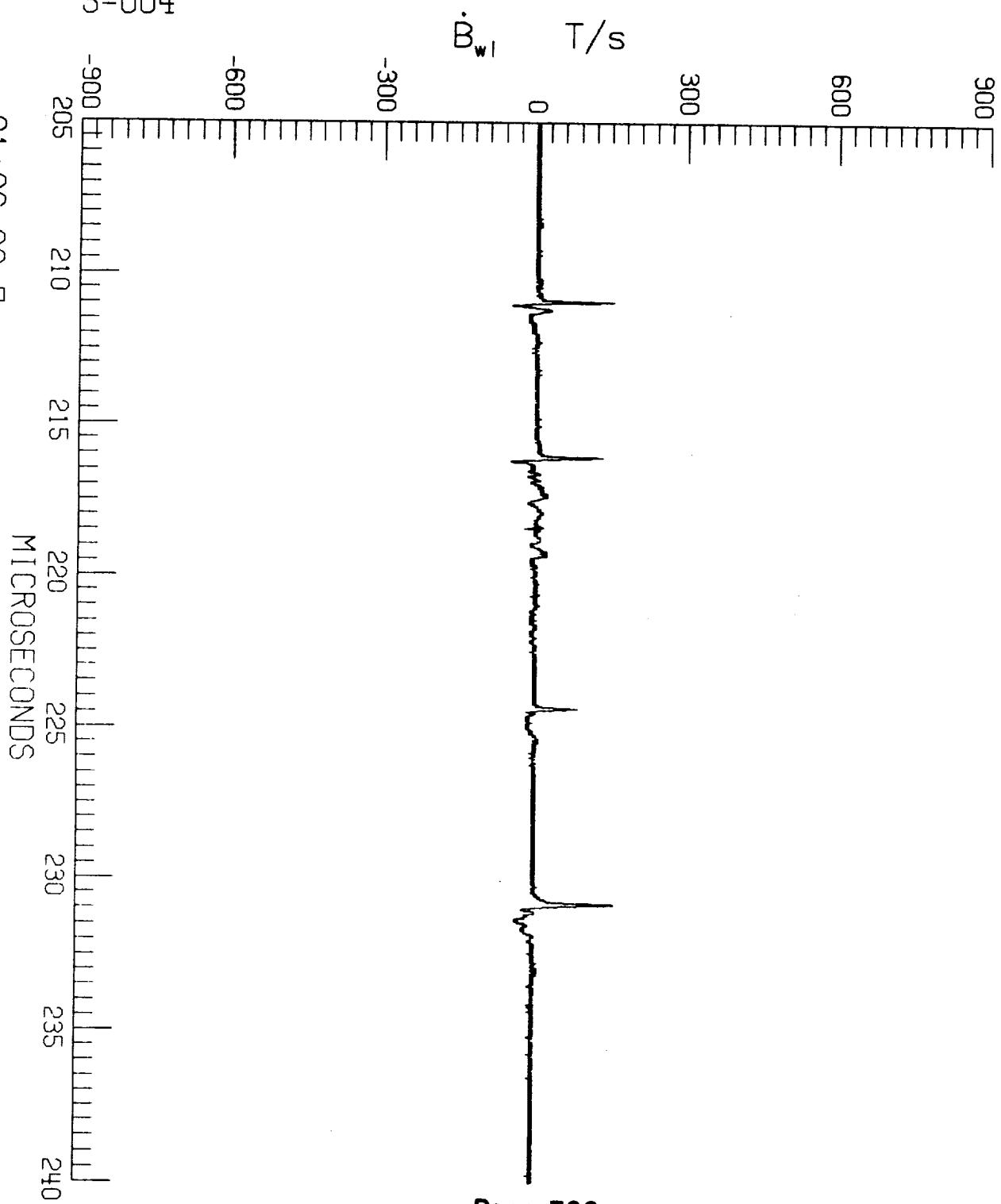


21:06:00.7
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



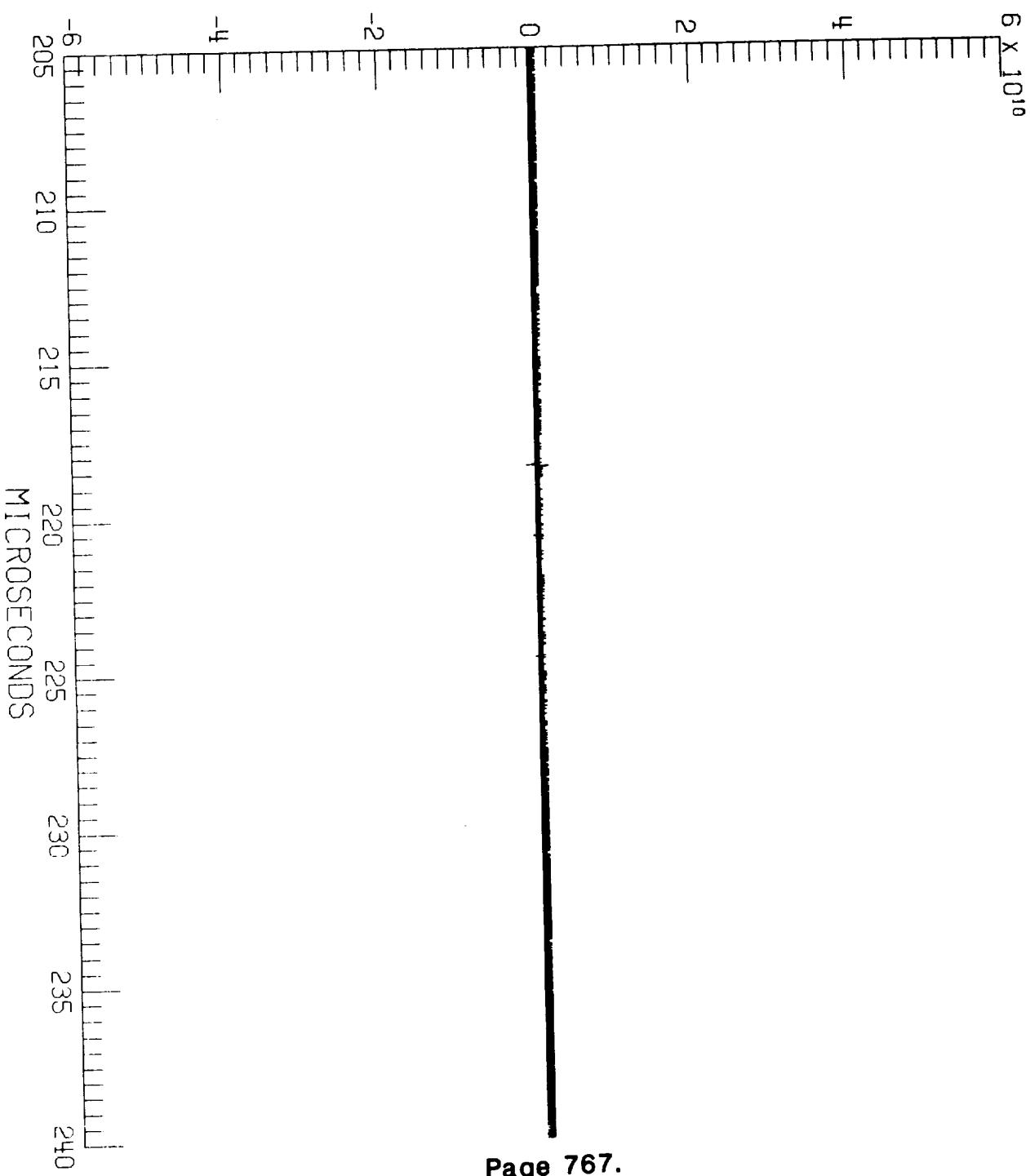
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

\dot{I} A/s

6×10^{10}

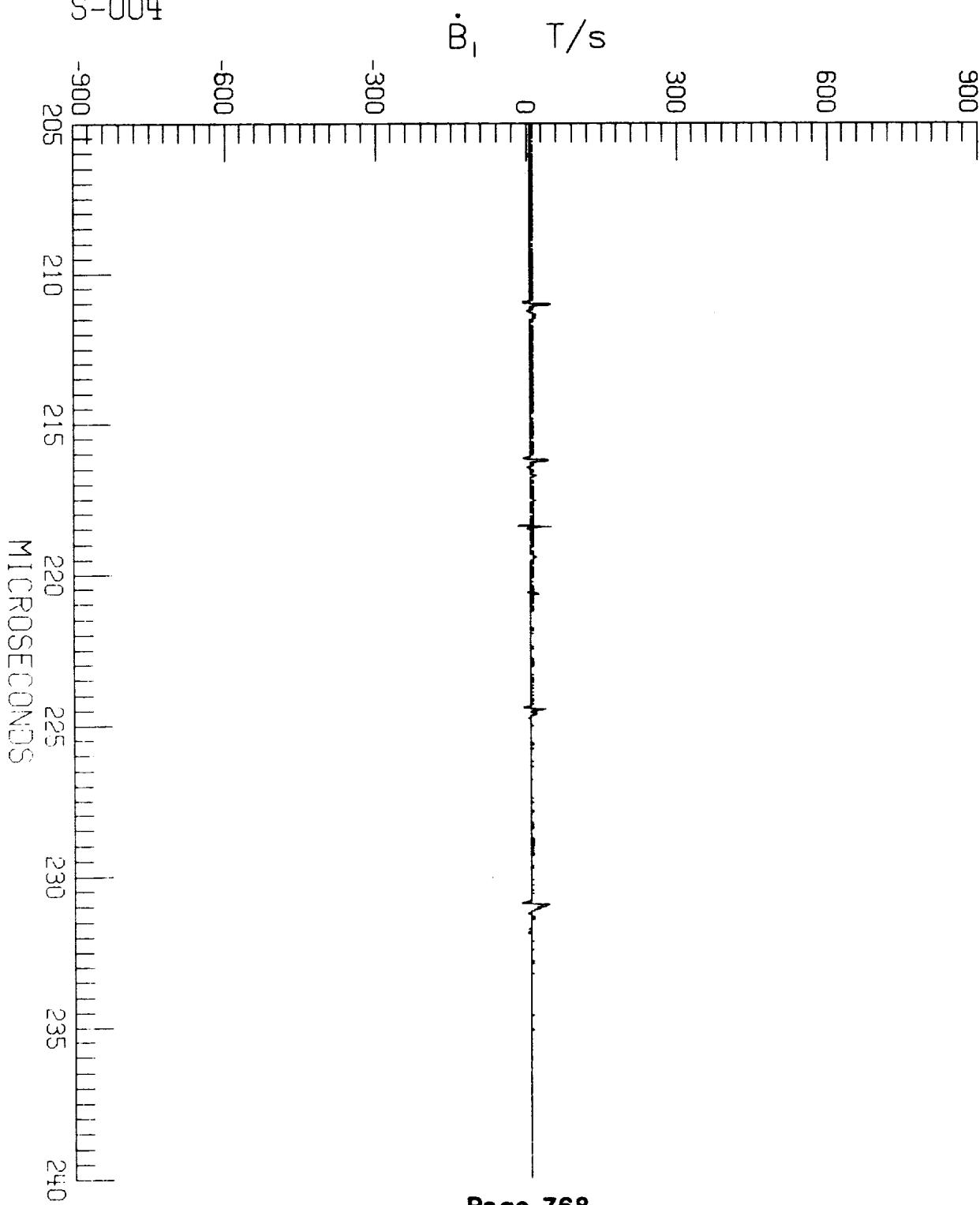


21:06:00.7
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004

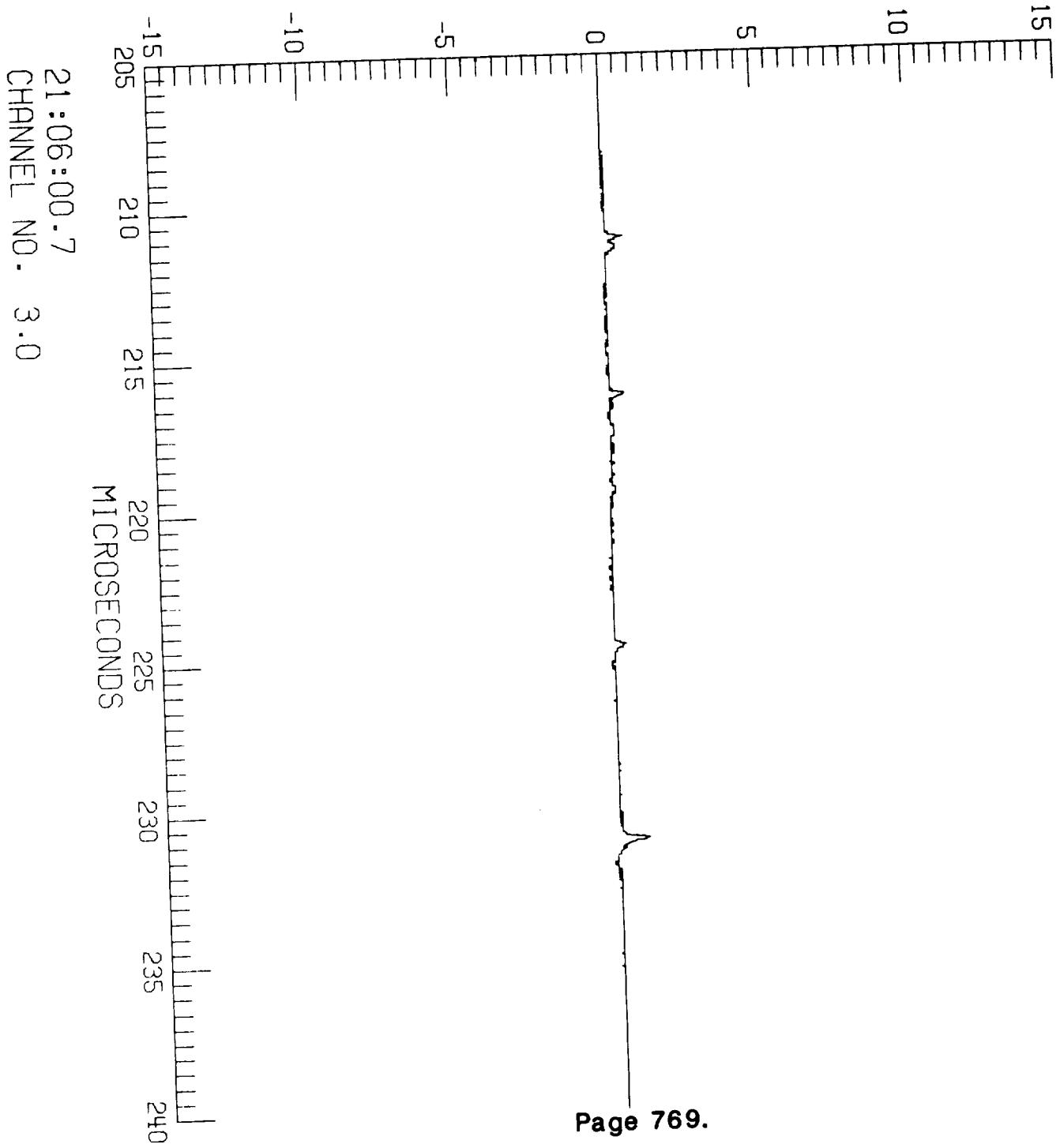


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

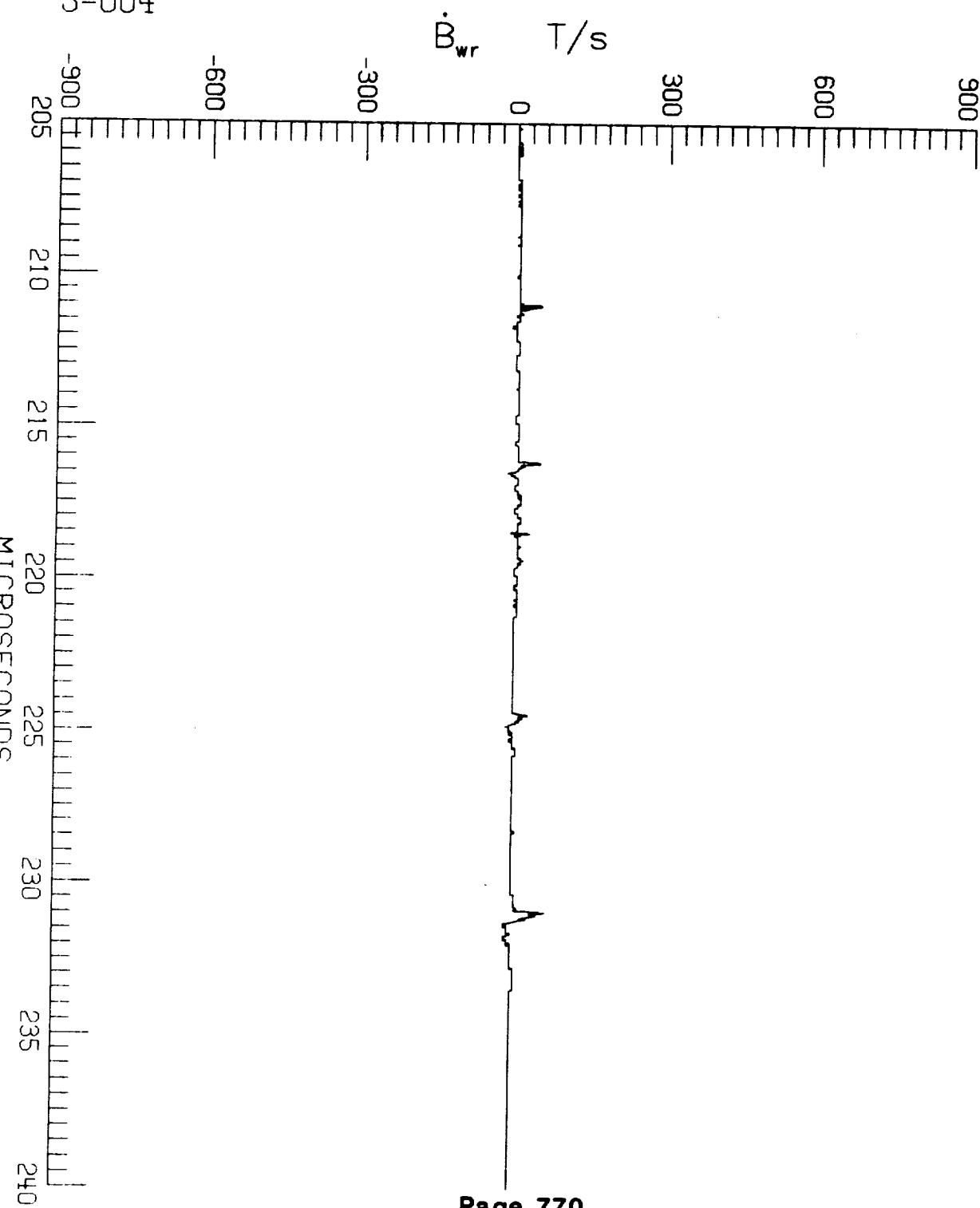
D_{wr} A/m²



F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

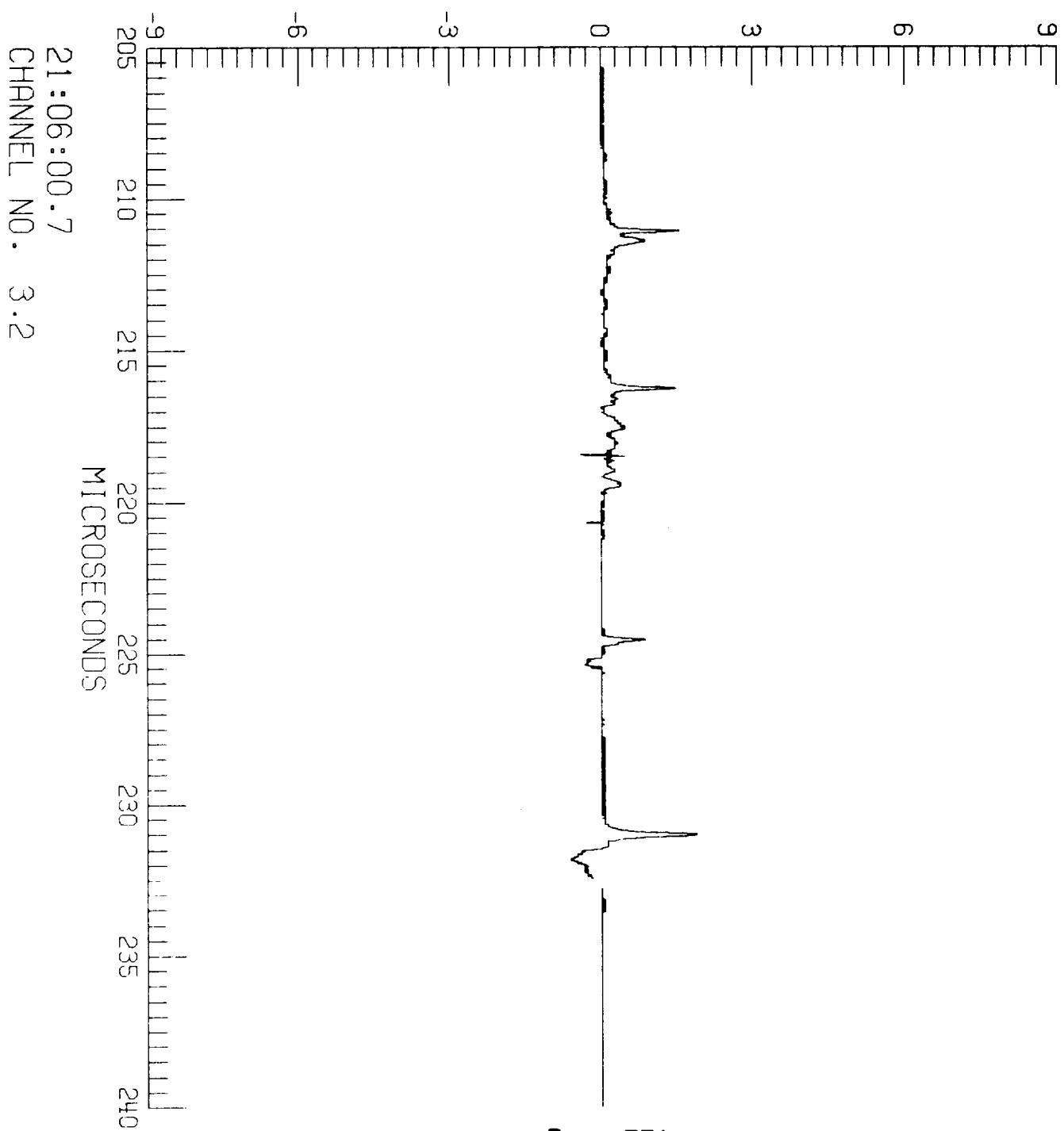


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

D_f A/m²



21:06:00.7
CHANNEL NO. 3.2

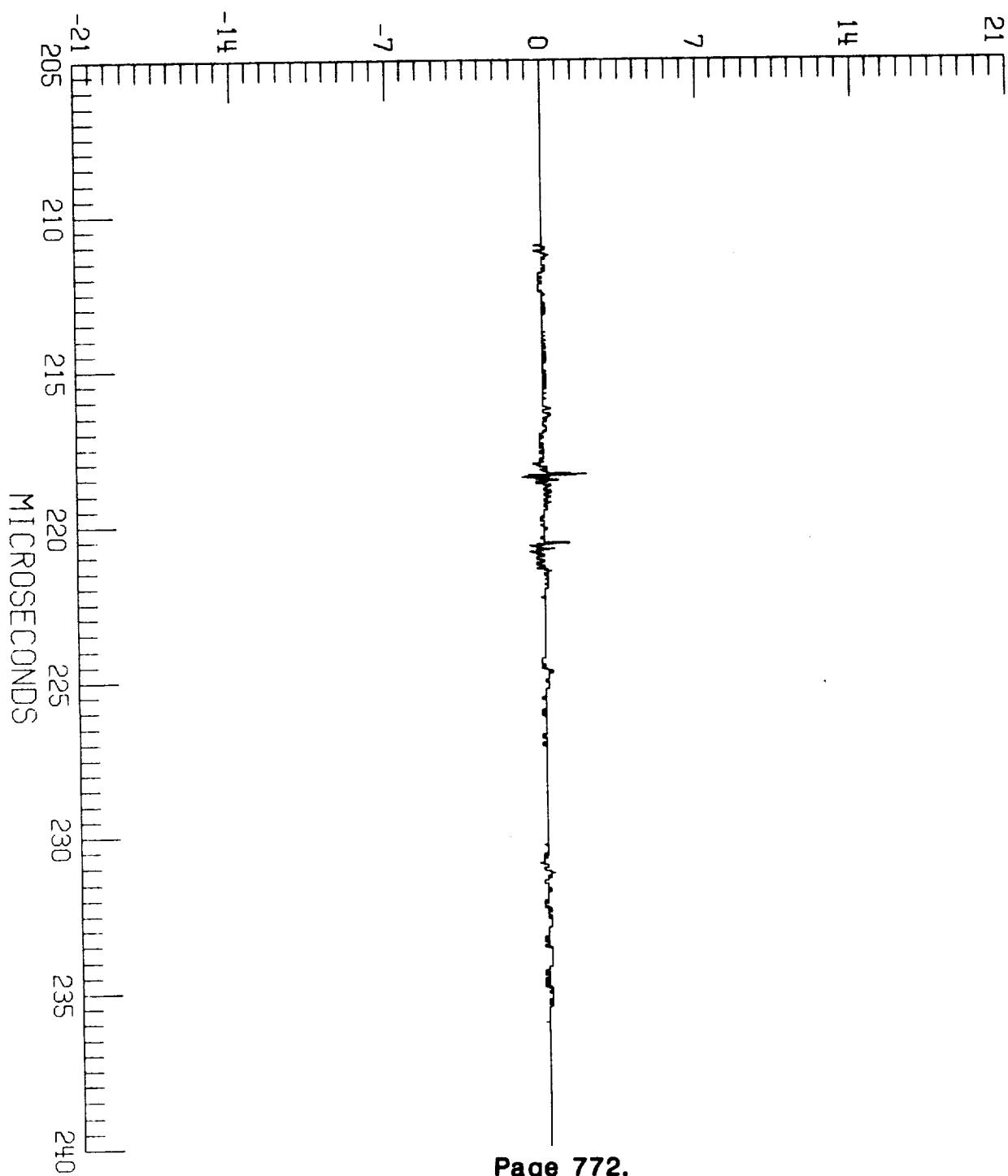
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V



21:06:00.7
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116 A

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205 210 215 220 225 230 235 240
MICROSECONDS

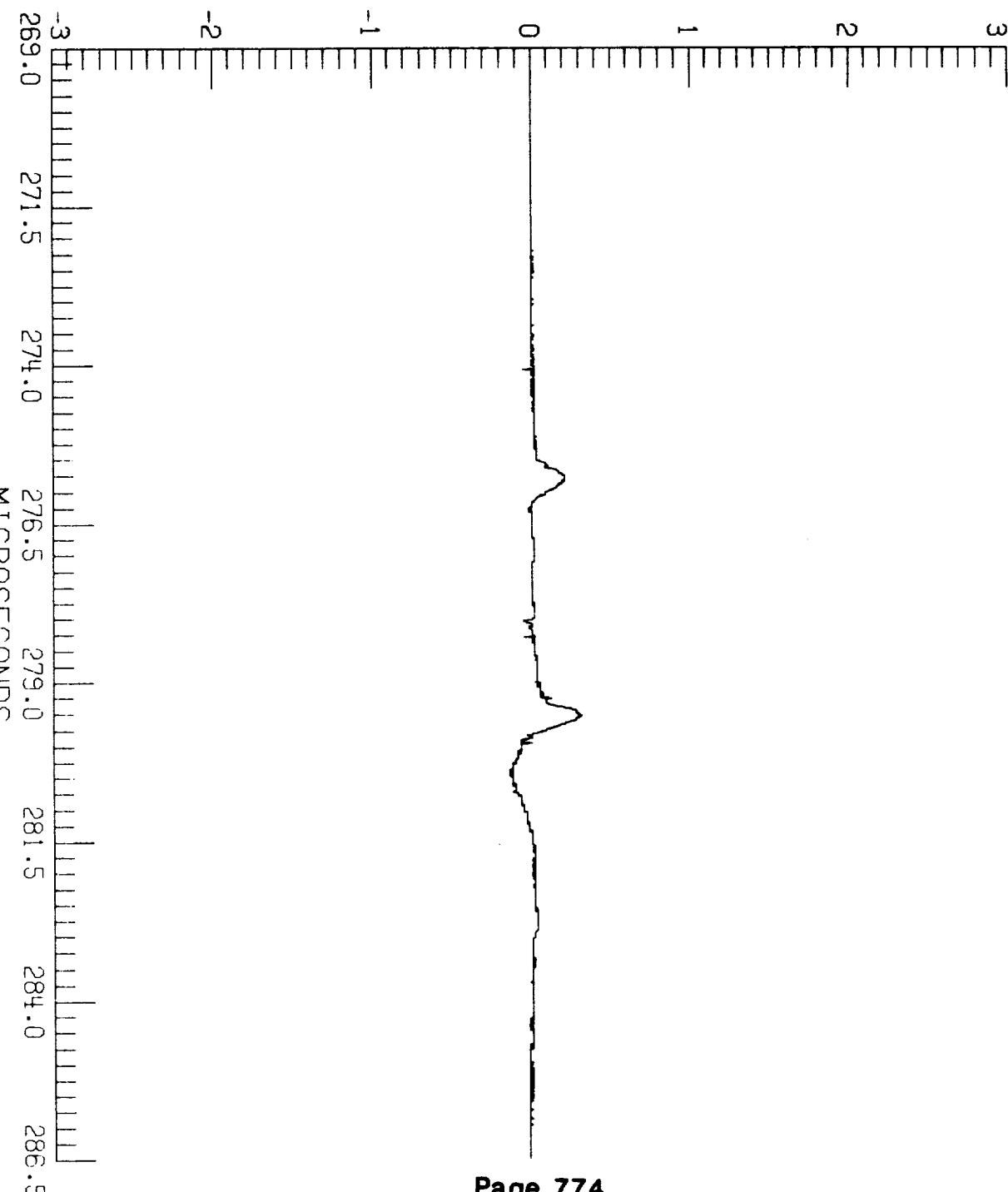
21:06:00.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

\dot{D}_t A/m²



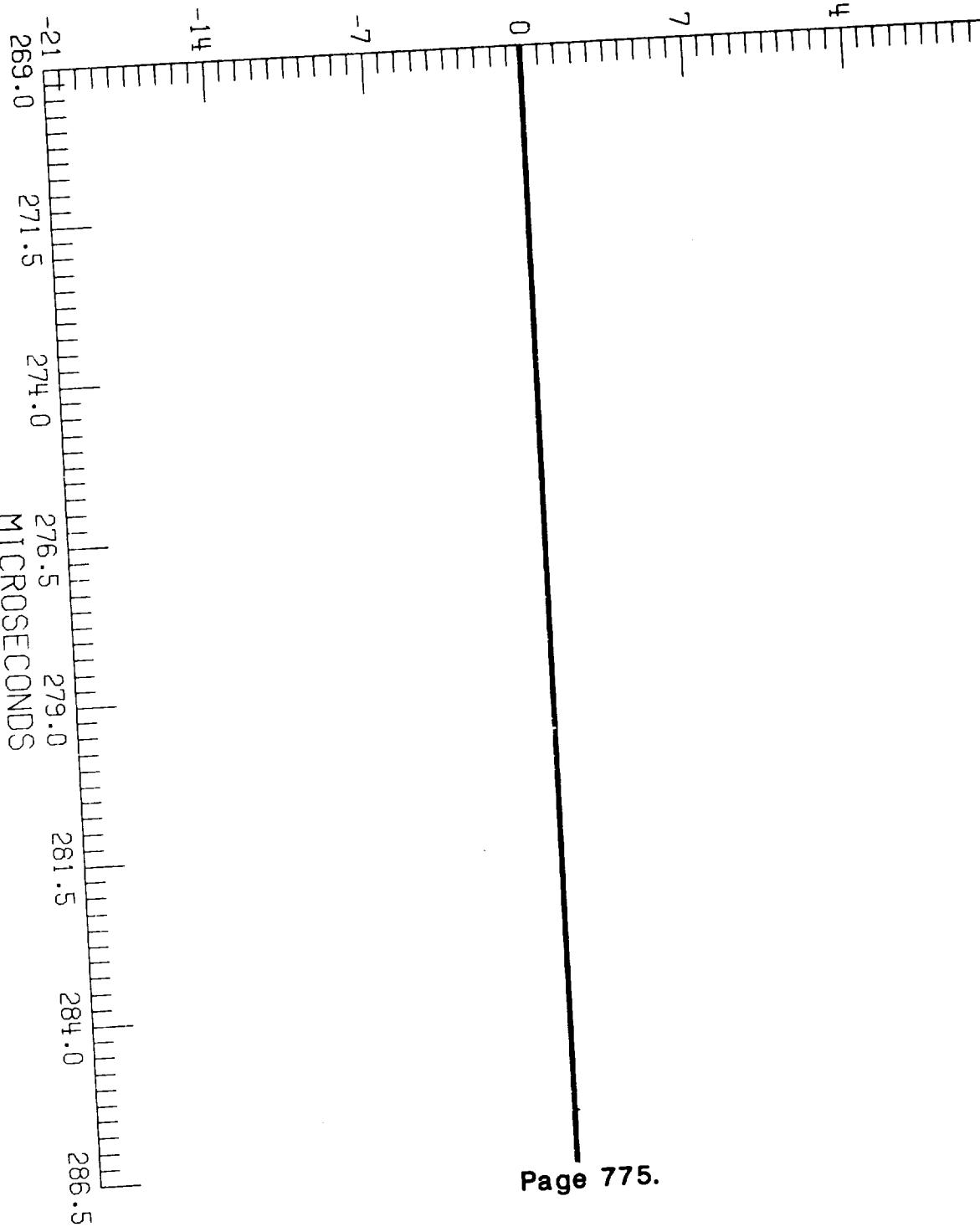
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 4

S-004

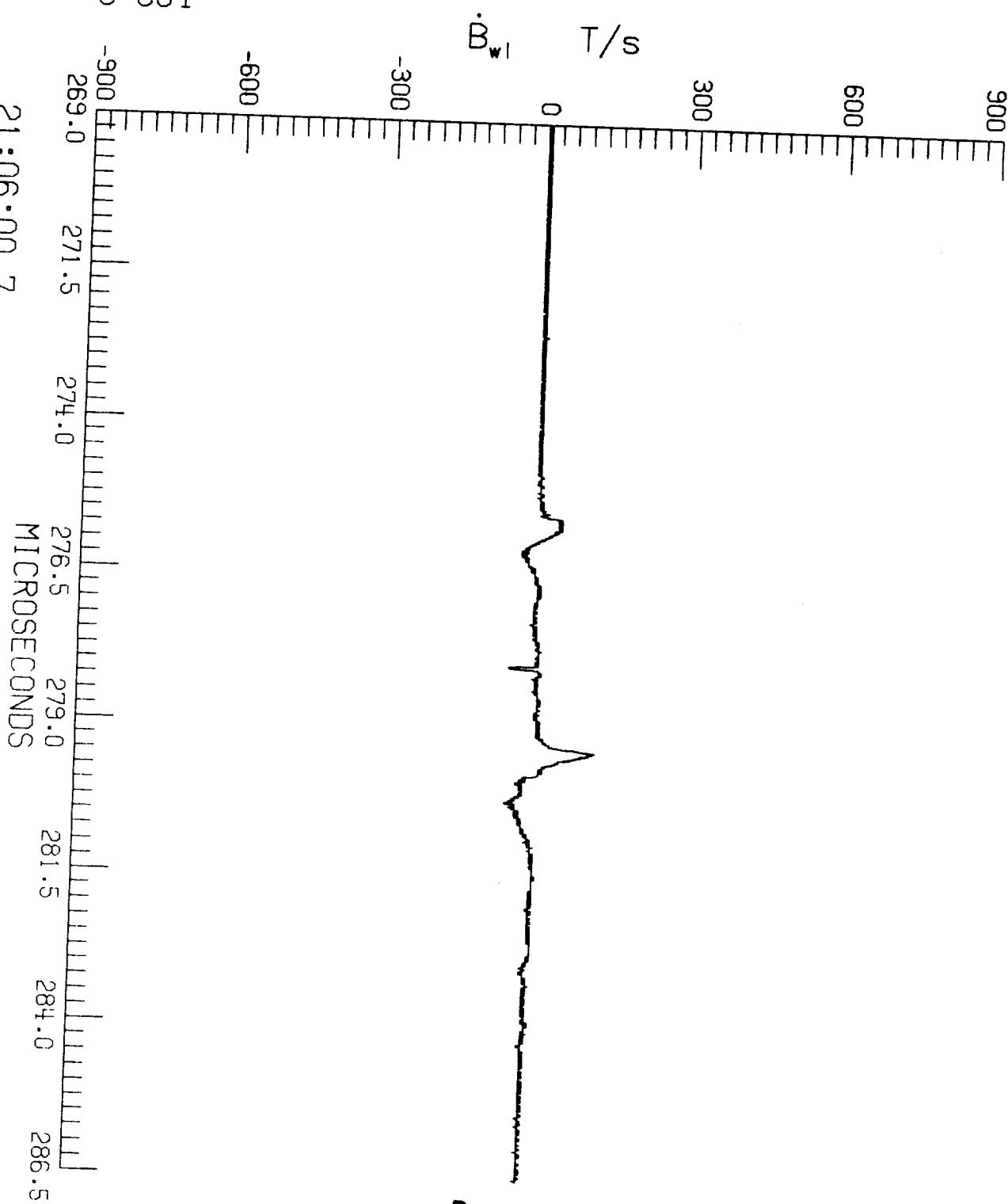
I_t A

21×10^3



21:06:00.7
CHANNEL NO. 1.2

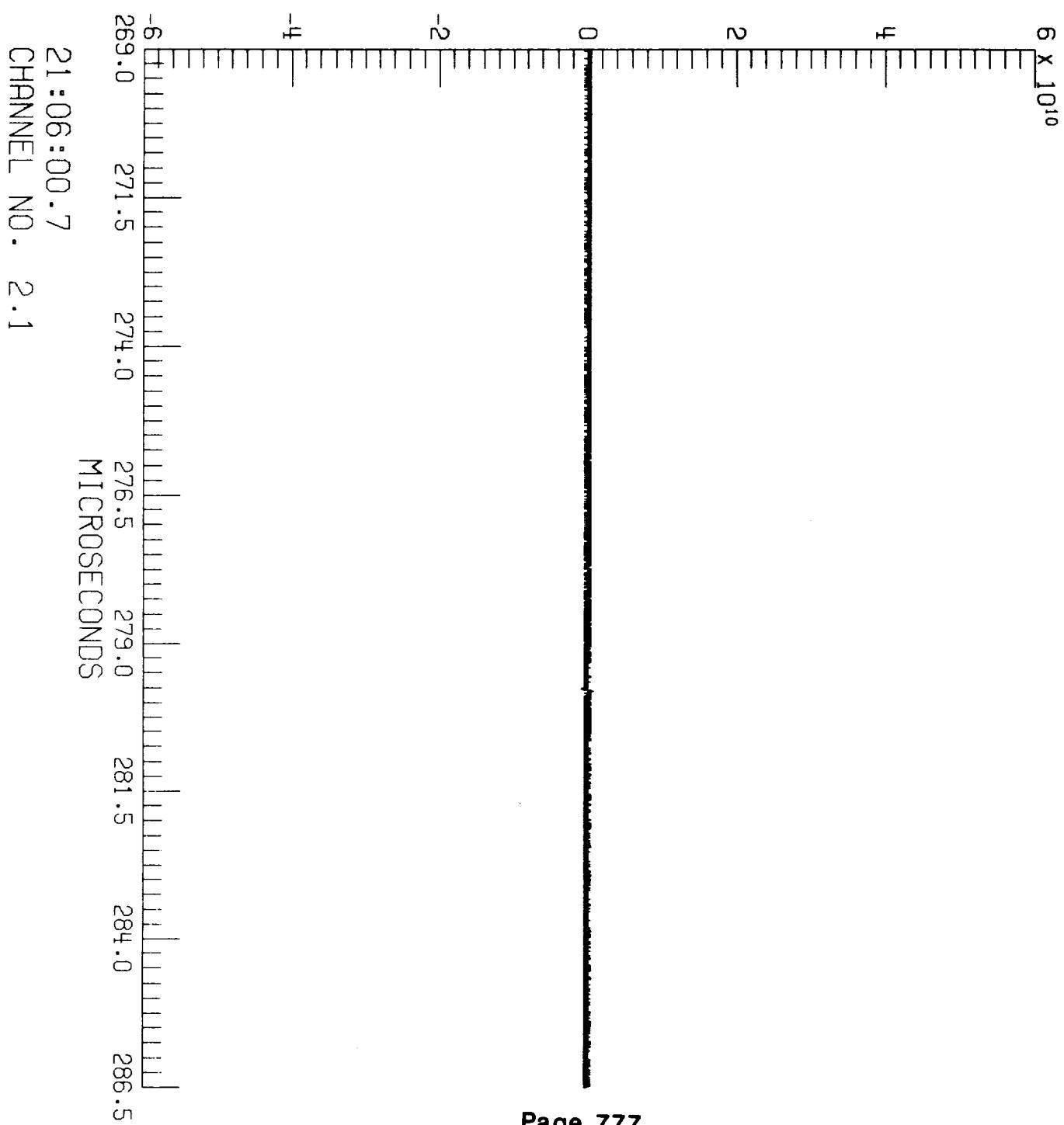
F106 LIGHTNING/85-035/ZAEPFEL
LEC 2 RUN NO. 4
S-004



21:06:00.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL
LEC 2 RUN NO. 4
S-004

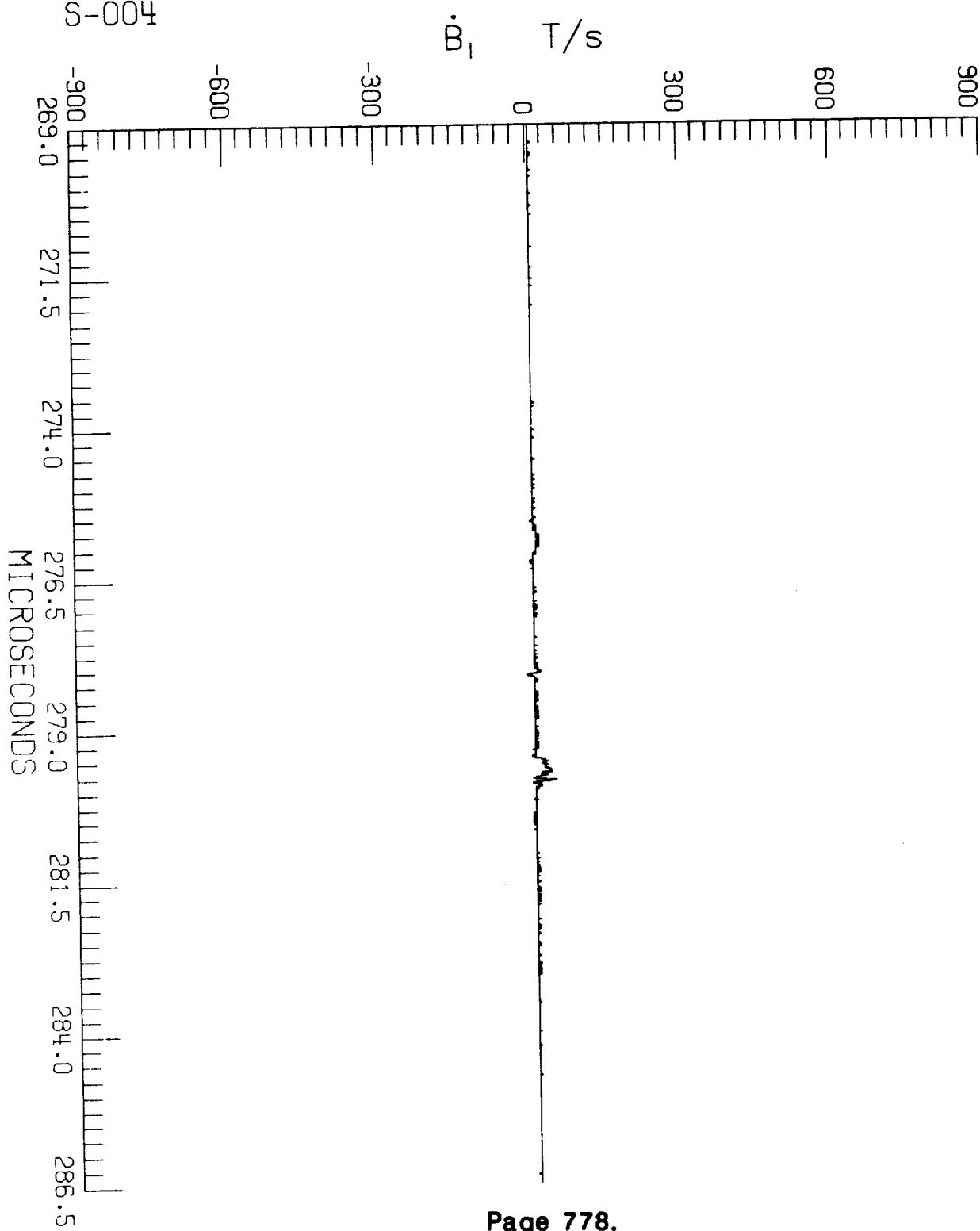
H A/s



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 4

S-004



21:06:00.7
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_{wr} A/m²

10

5

0

-5

-10

-15
260 270 280 290 300 310 320 330

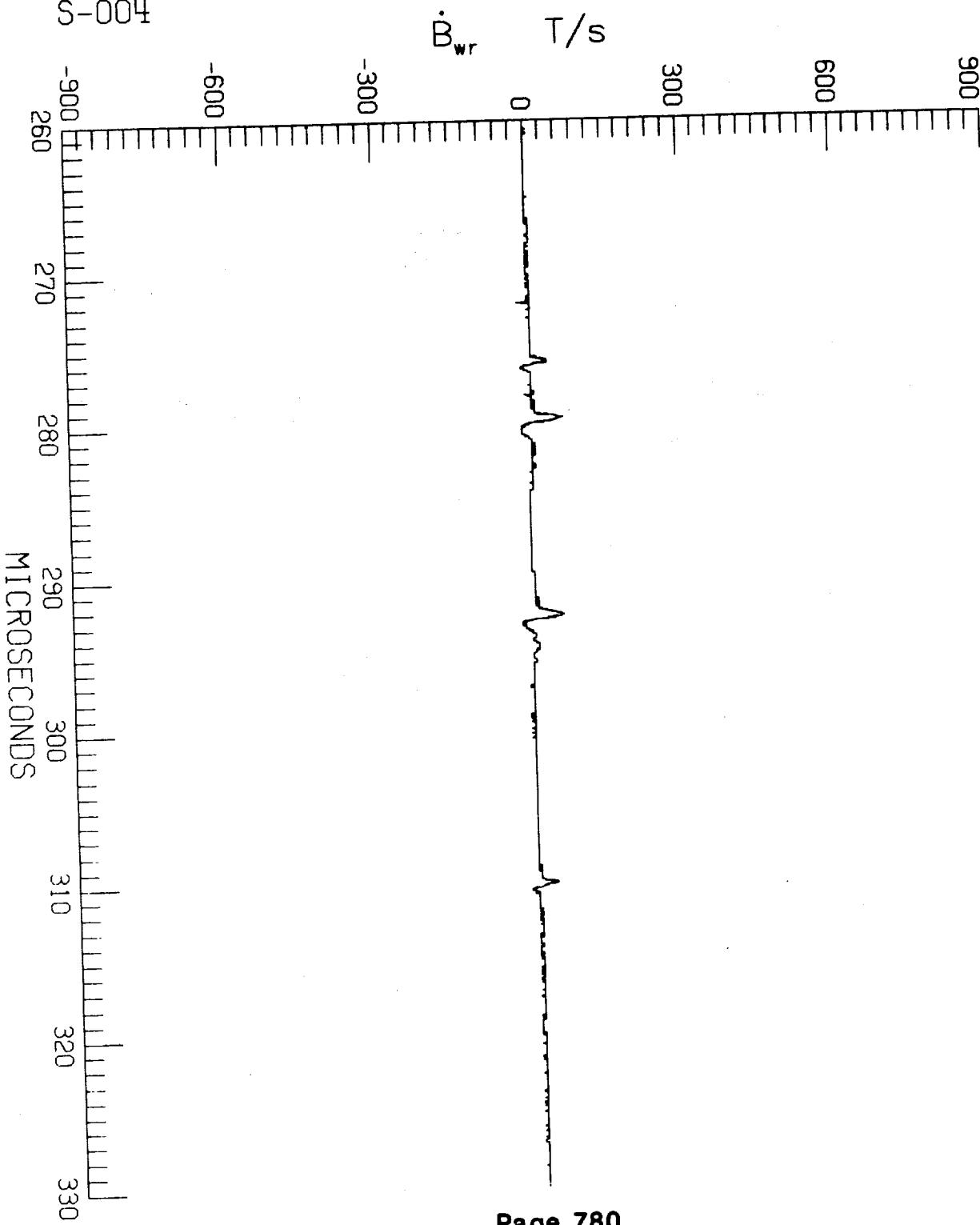
MICROSECONDS

21:06:00.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004



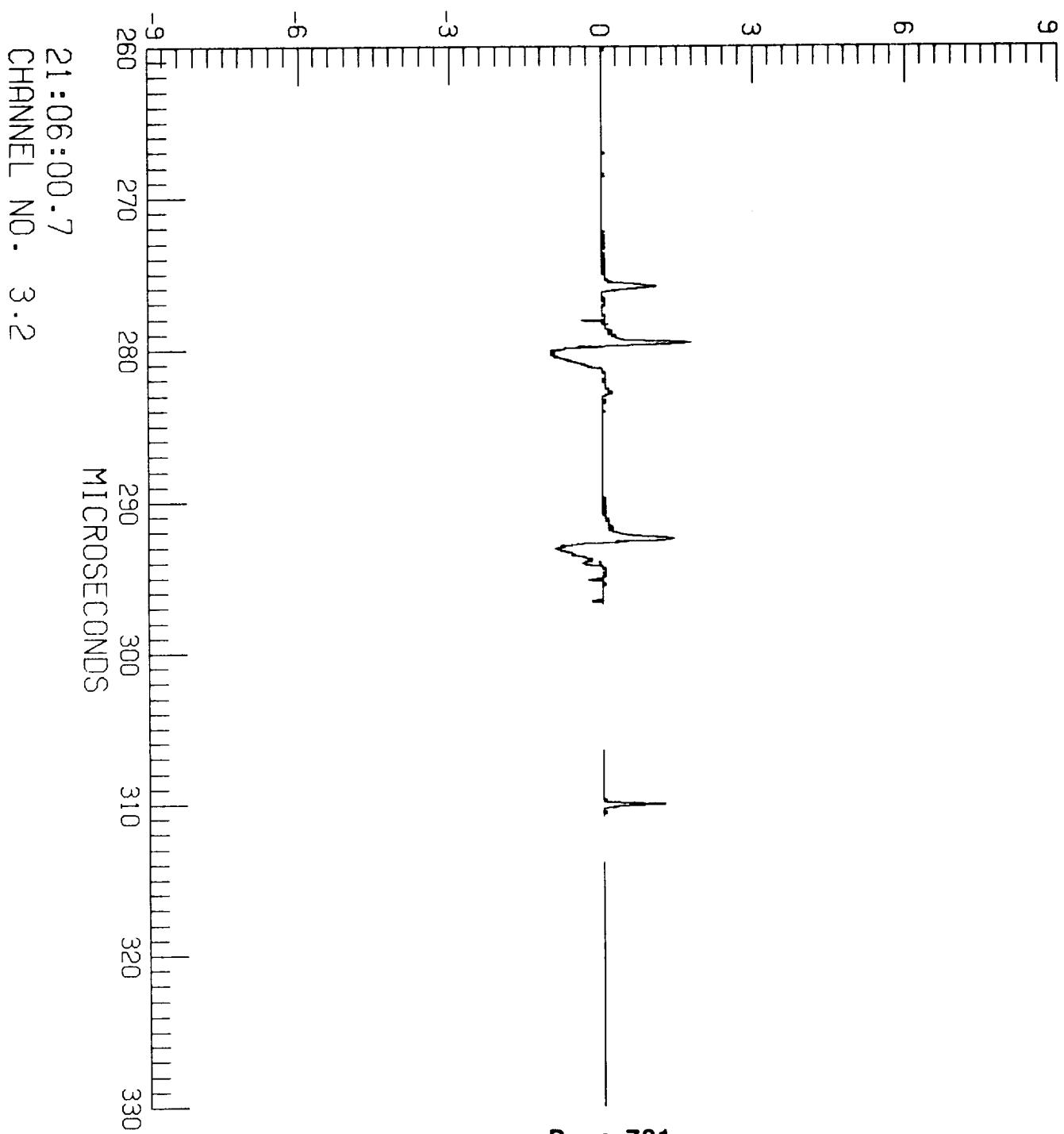
21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

D_f A/m²



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP101

V

21

14

7

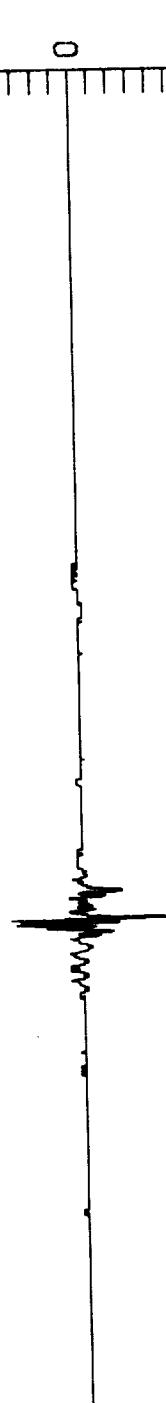
0

-14

-7

-21
269.0 271.5 274.0 276.5 279.0 281.5 284.0 286.5

CHANNEL NO. 4.0



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 4

S-004

TP116

A

.27

.18

.09

0

-.09

-.18

-.27

269.0

271.5

274.0

276.5

279.0

281.5

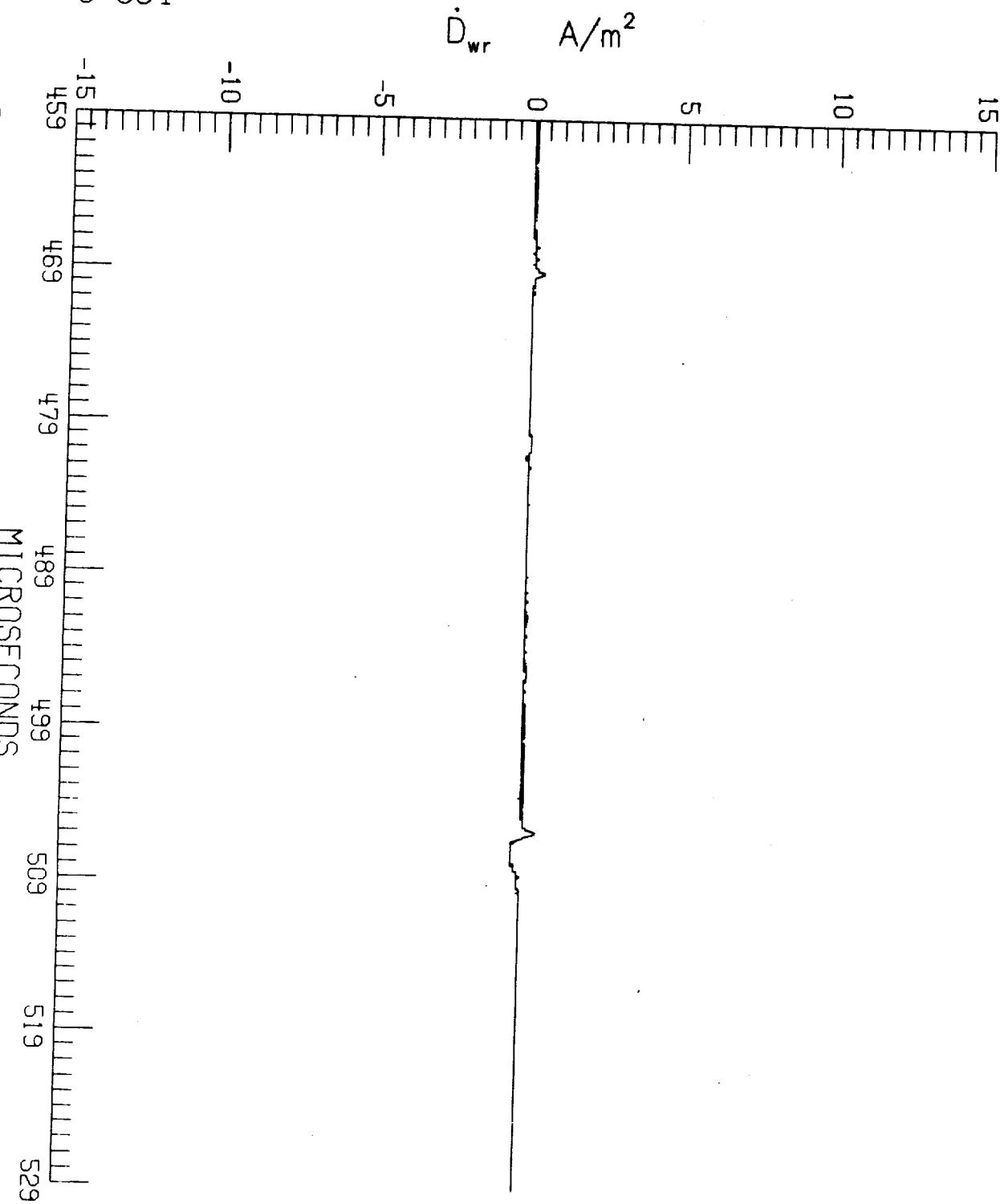
284.0

286.5

MICROSECONDS

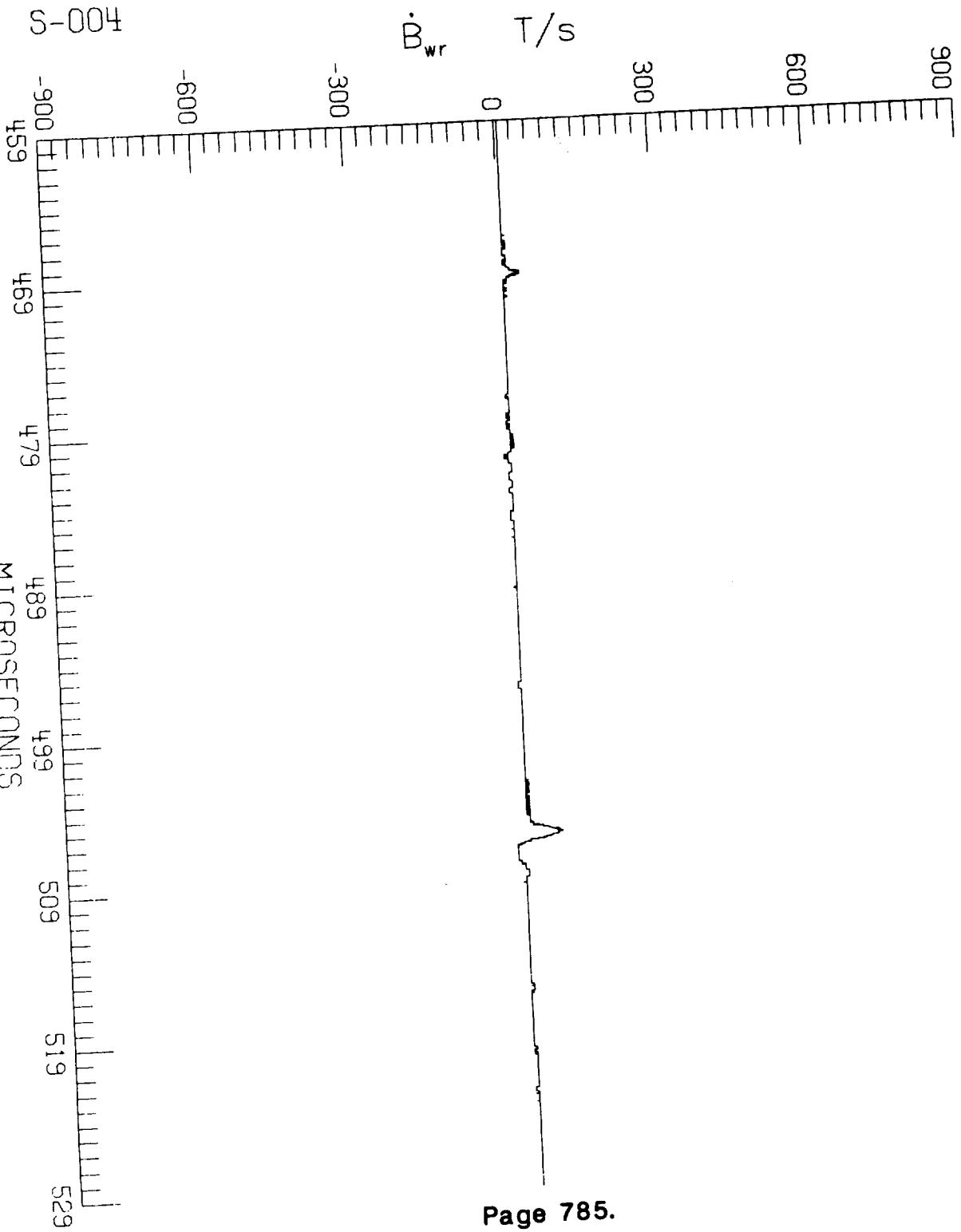
21:06:00.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 4
S-004



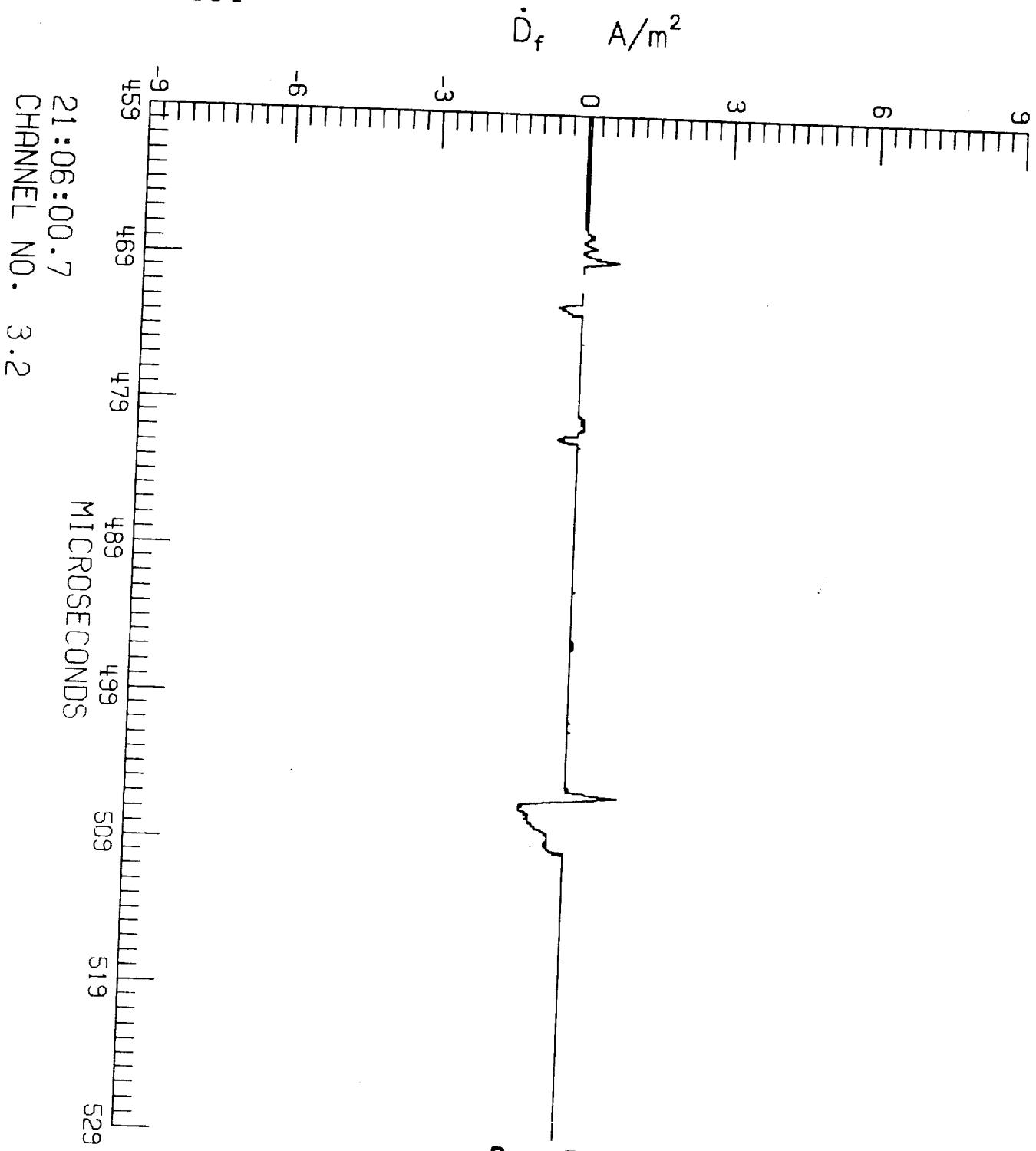
F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 4

S-004



21:06:00.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 4
S-004

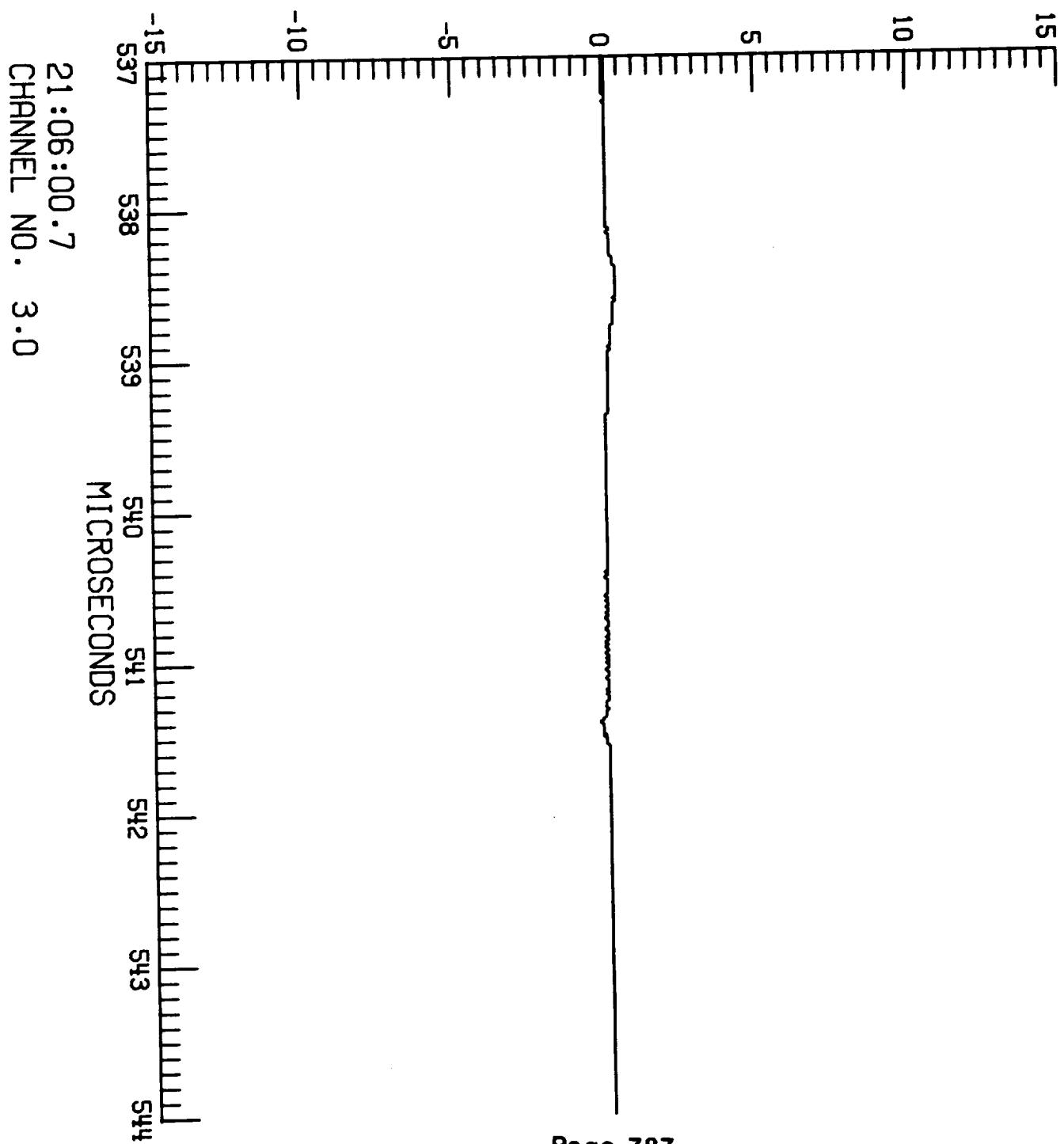


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

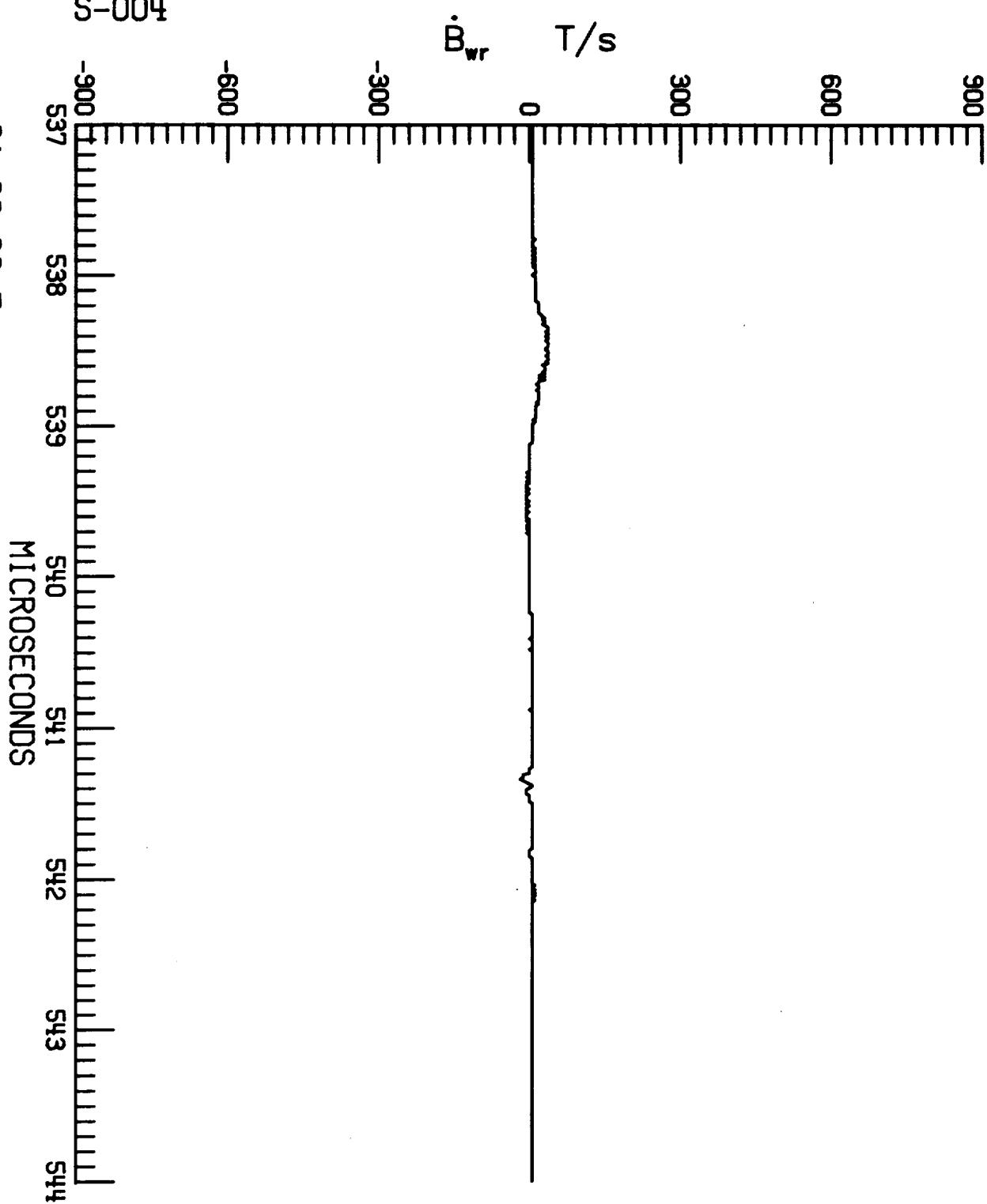
\dot{D}_{wr} A/m²



F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

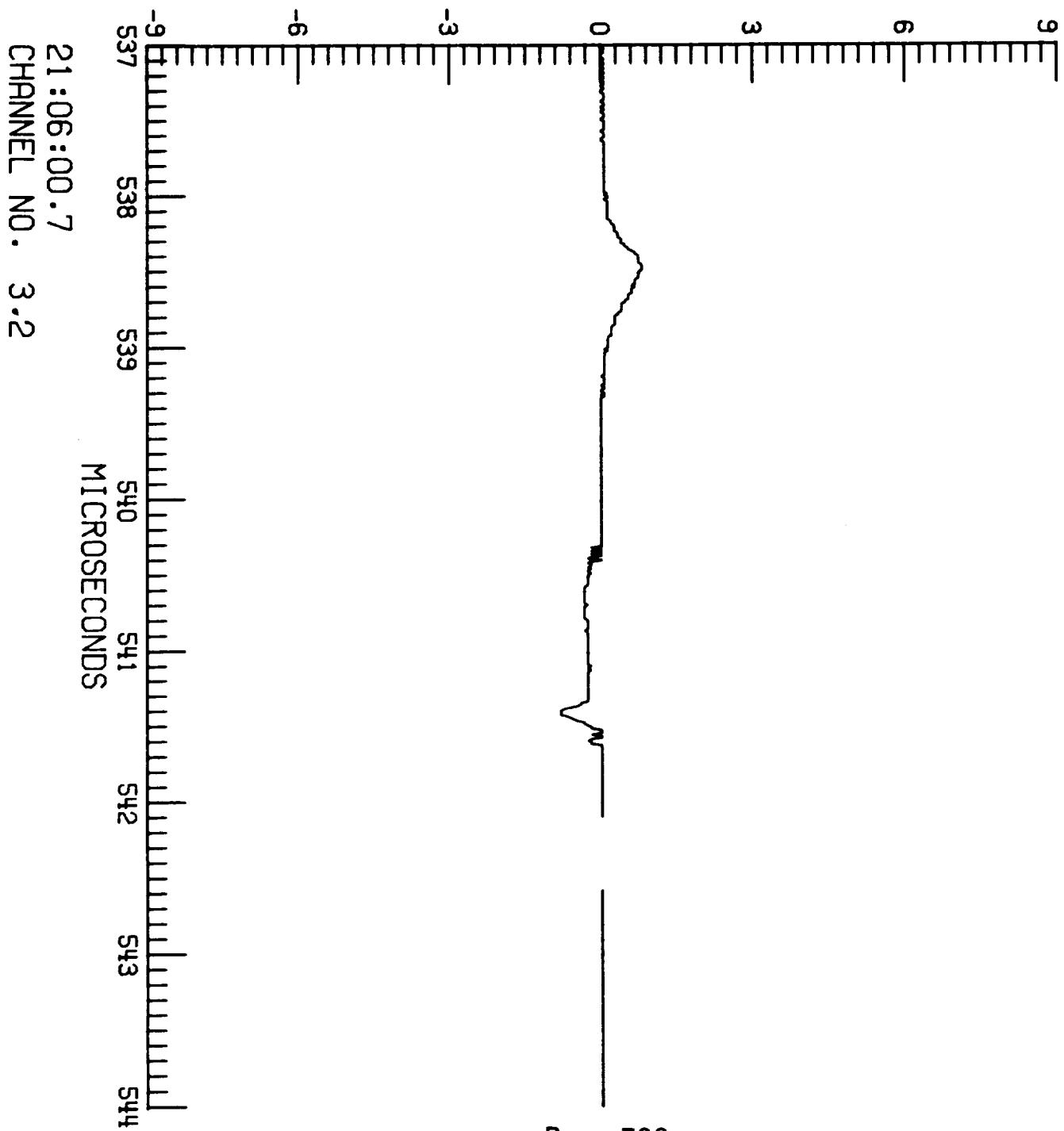


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 4

S-004

\dot{D}_f A/m²

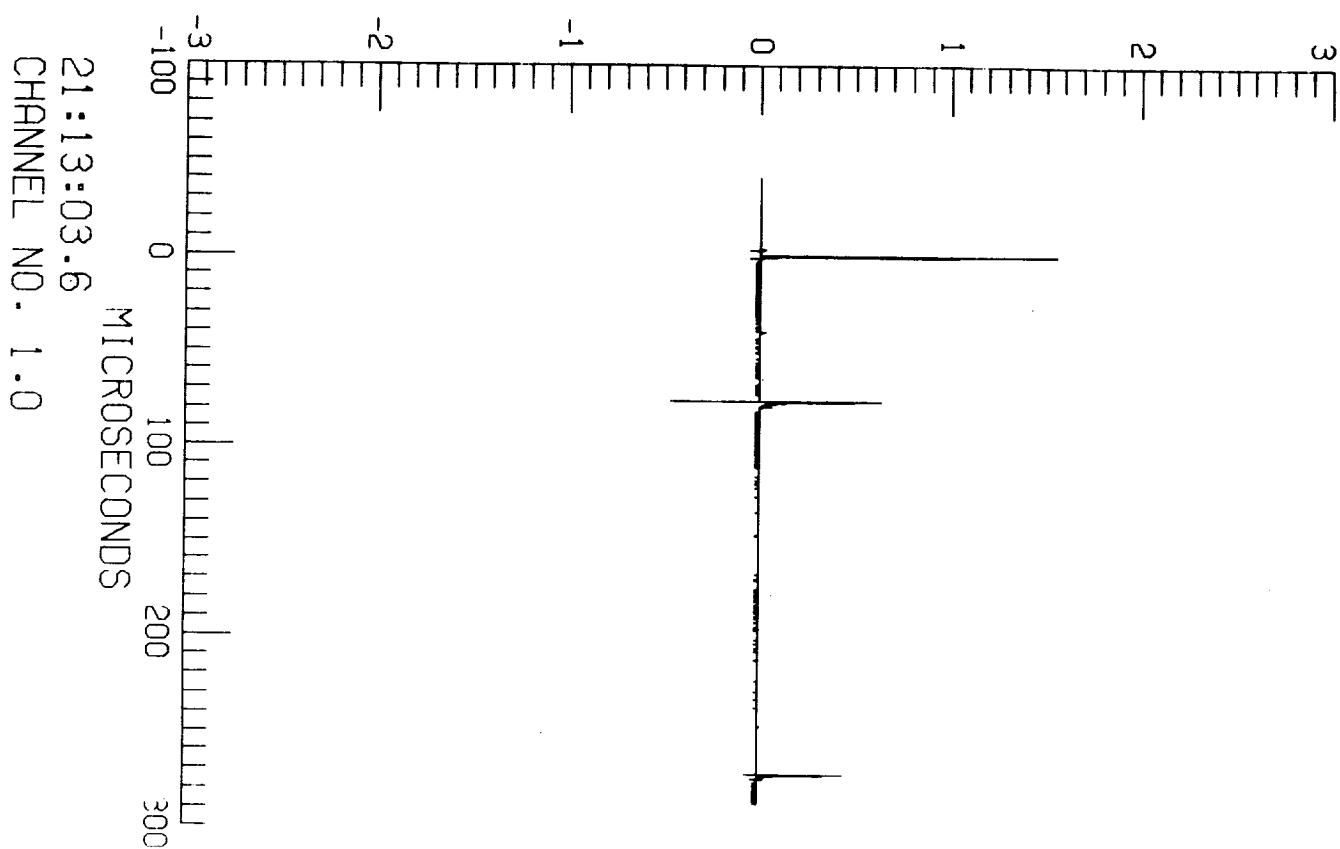


F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

D_t A/m²



21:13:03.6
CHANNEL NO. 1.0

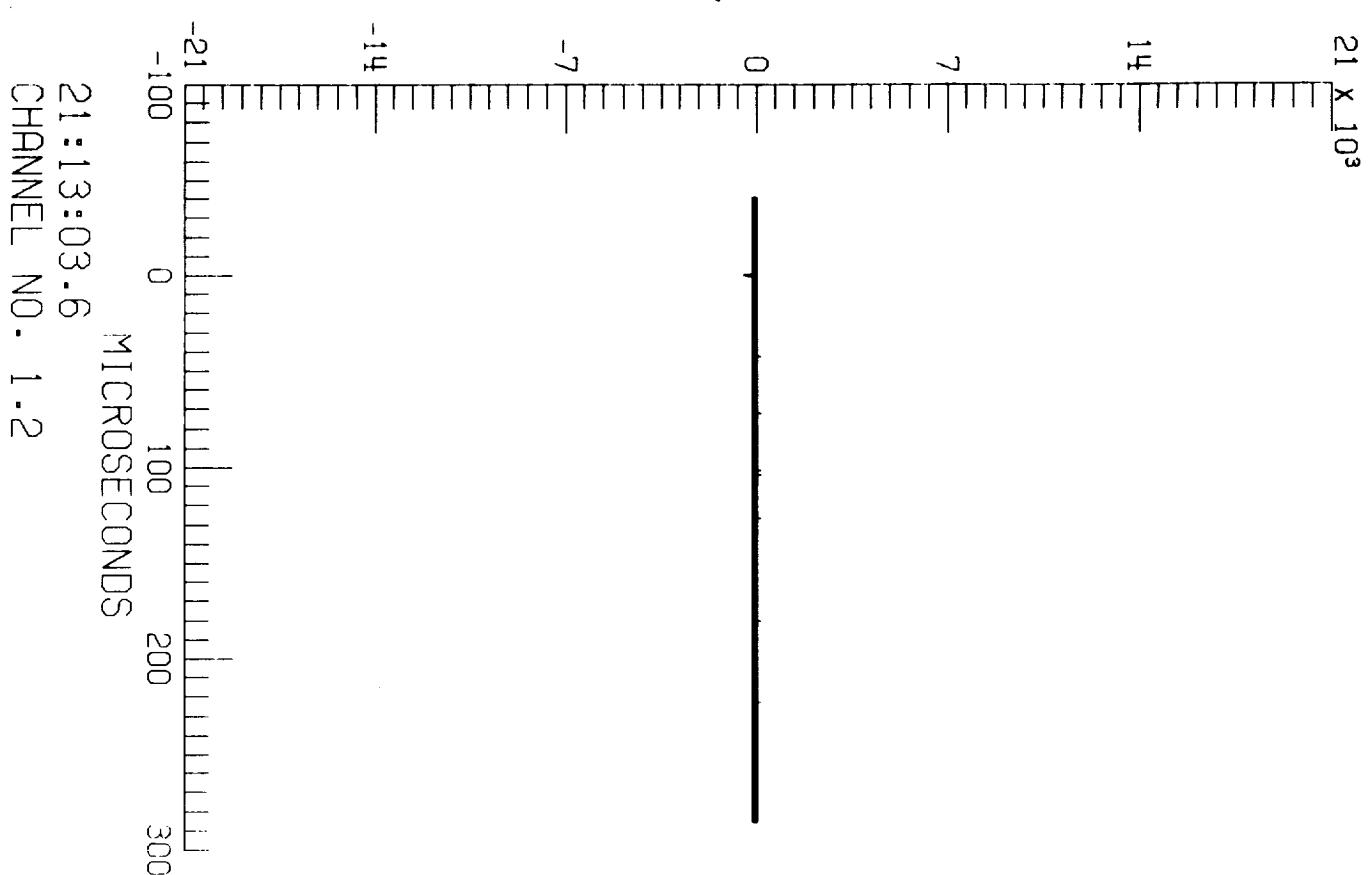
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

I_t A

21×10^3



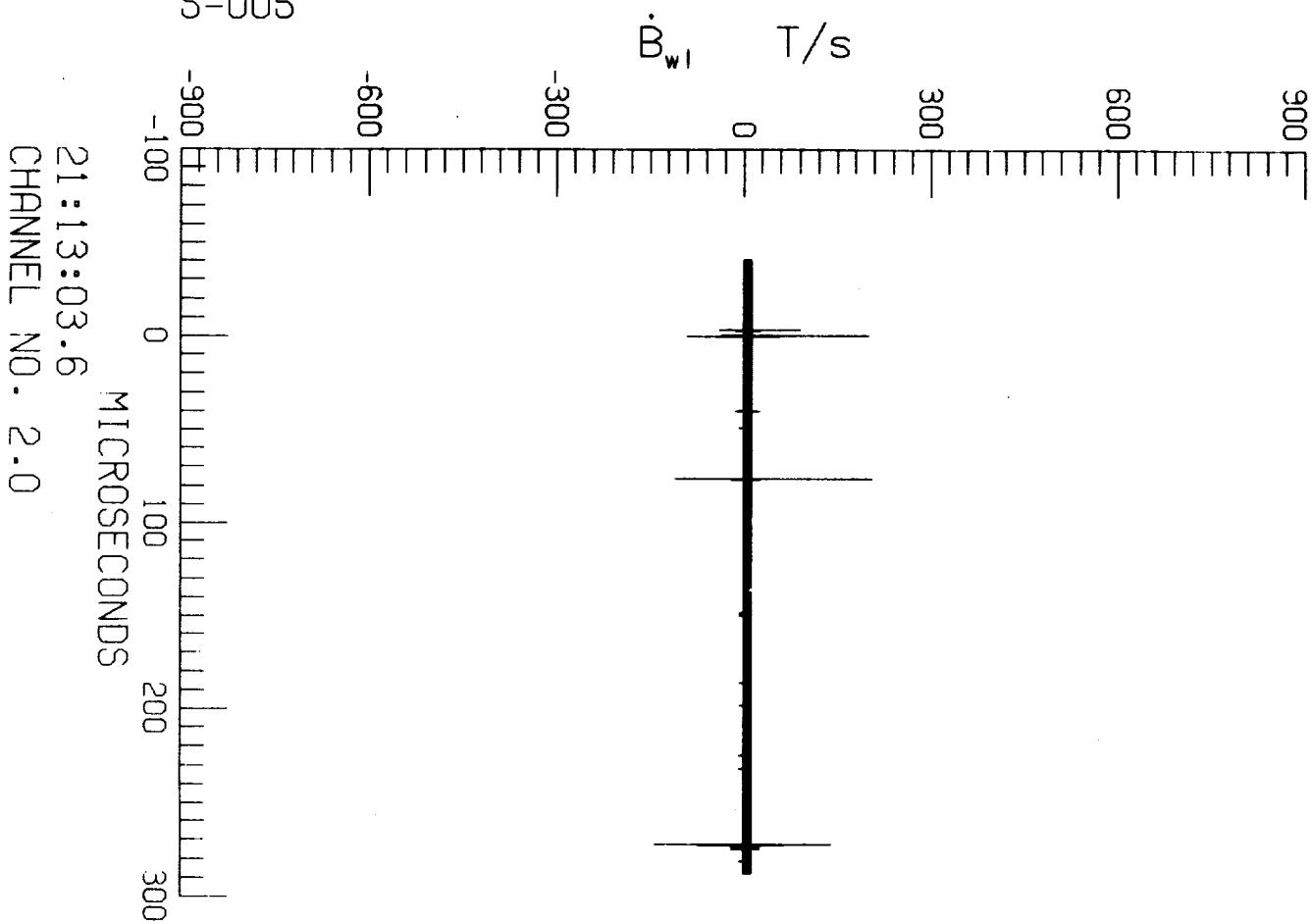
21:13:03-6
CHANNEL NO. 1-2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2

RUN NO. 5

S-005



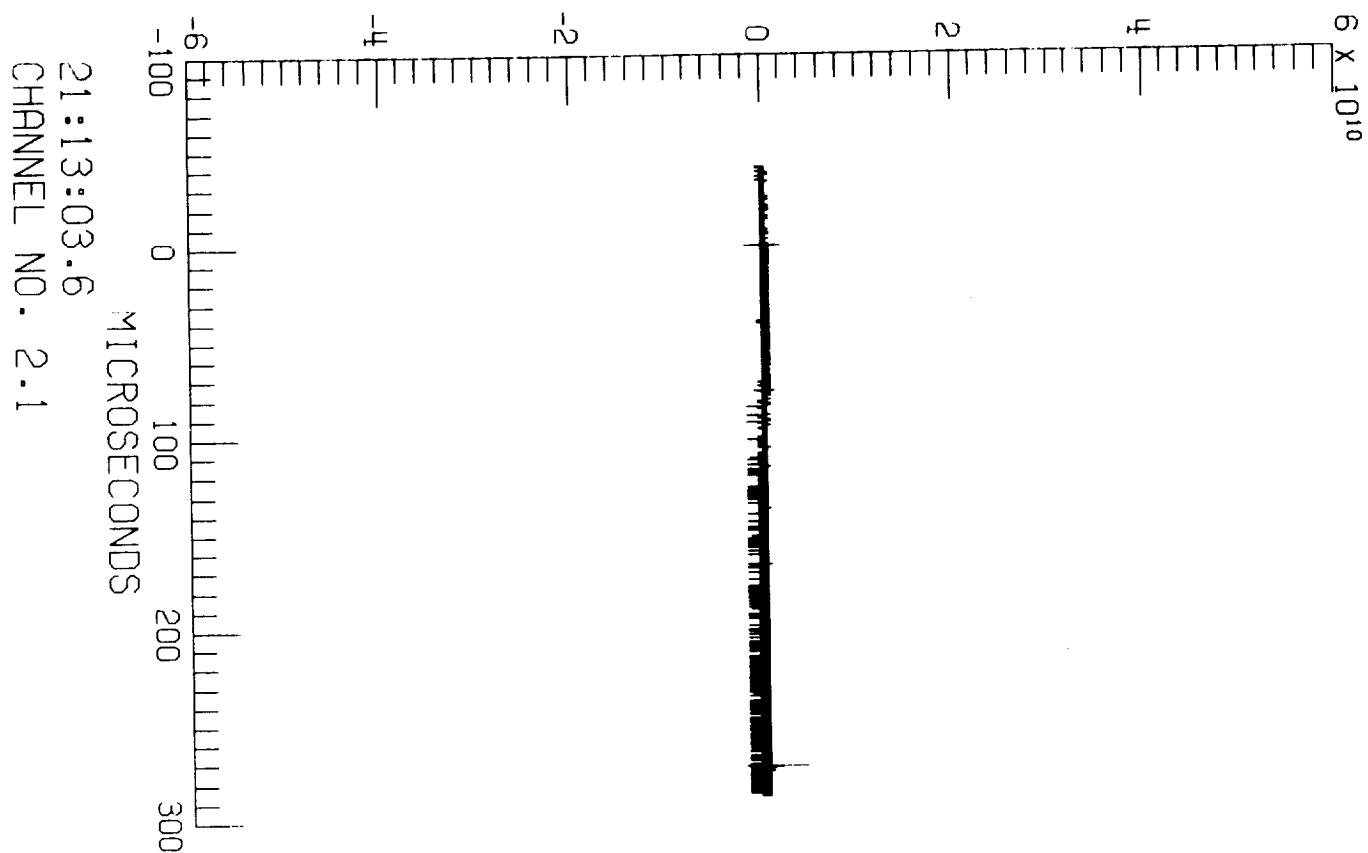
21:13:03.6
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005

A/s



21:13:03.6
CHANNEL NO. 2.1

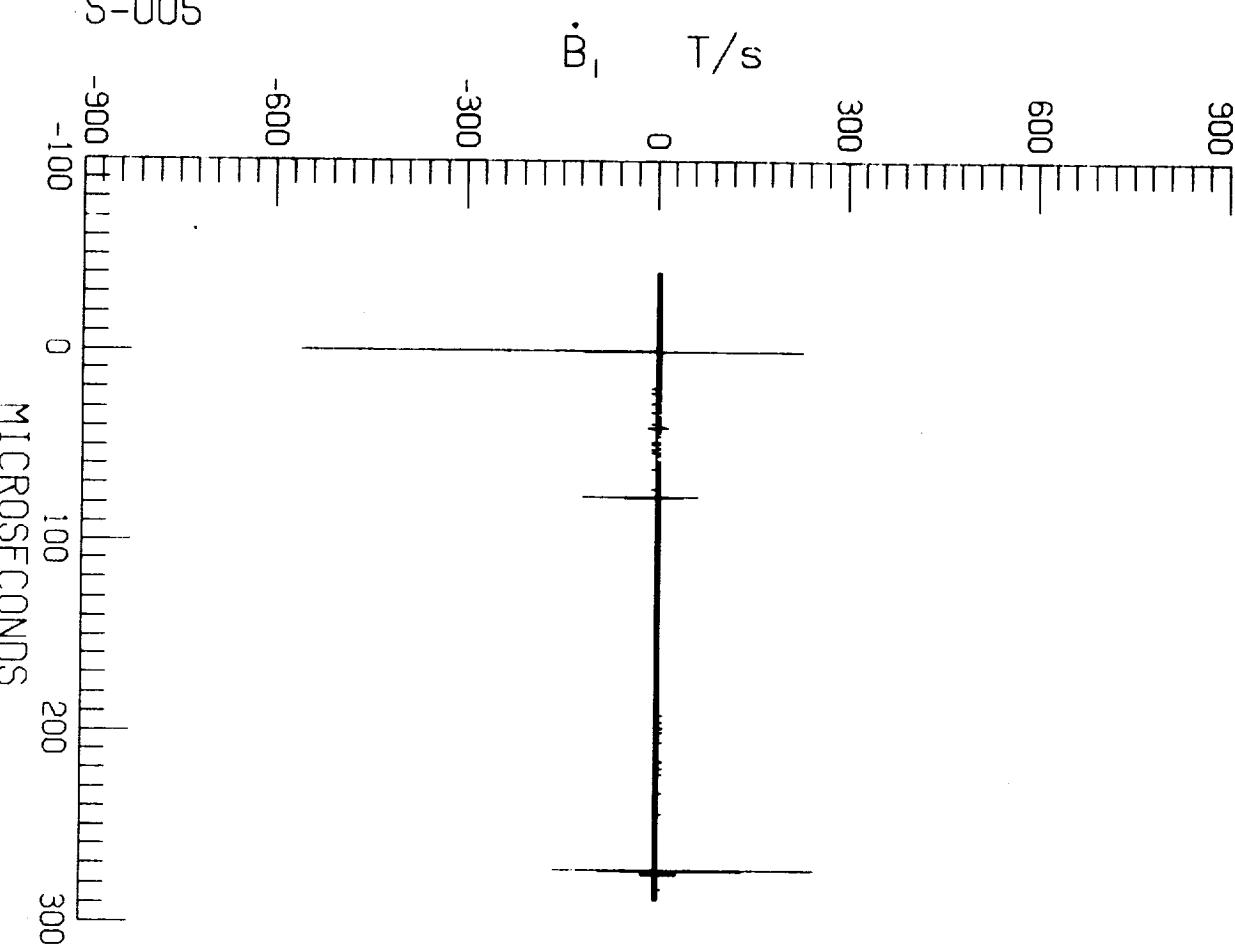
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2

RUN NO. 5

S-005

21:13:03-6
CHANNEL NO. 2-2

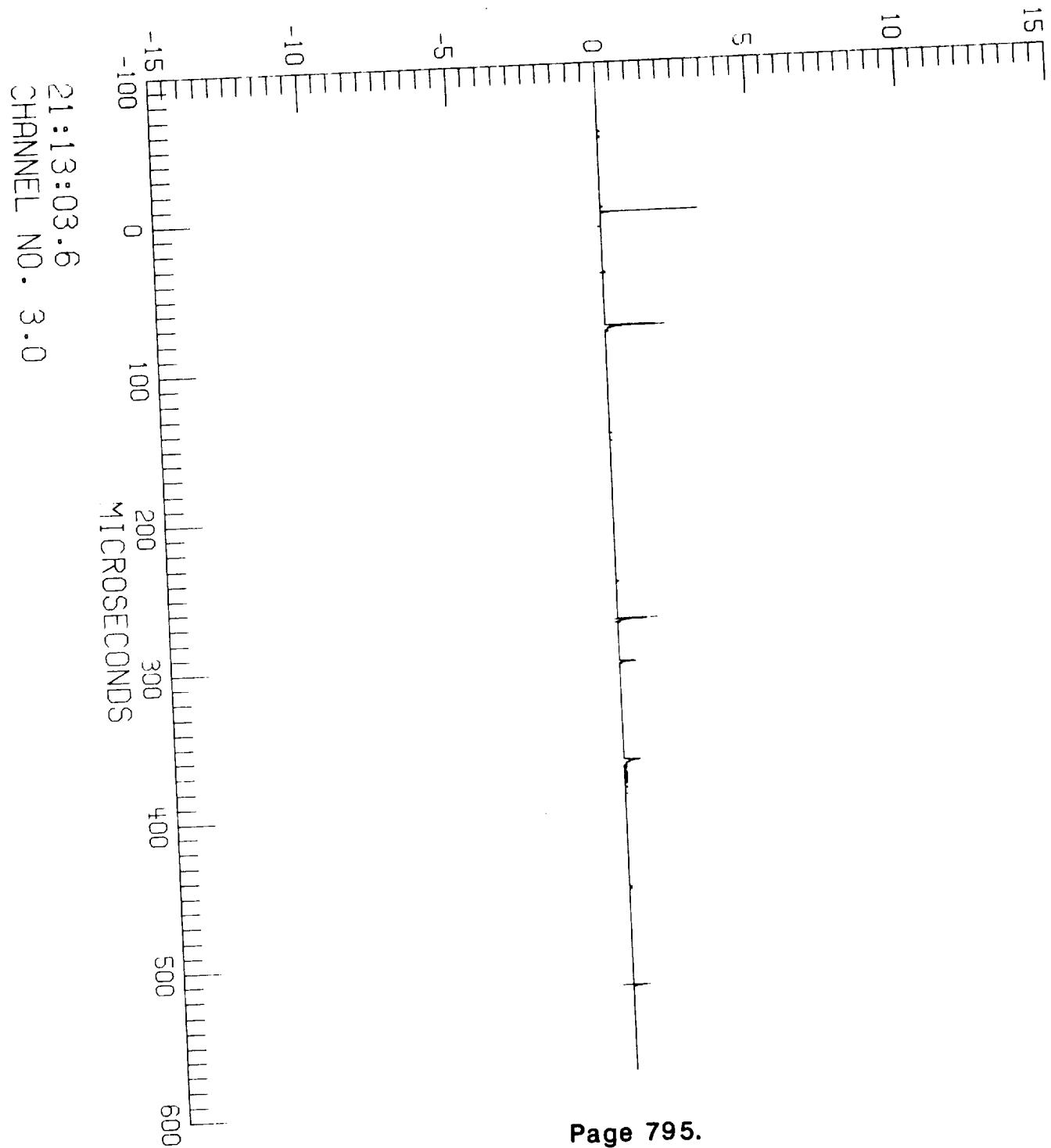


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

D_{wr} A/m²



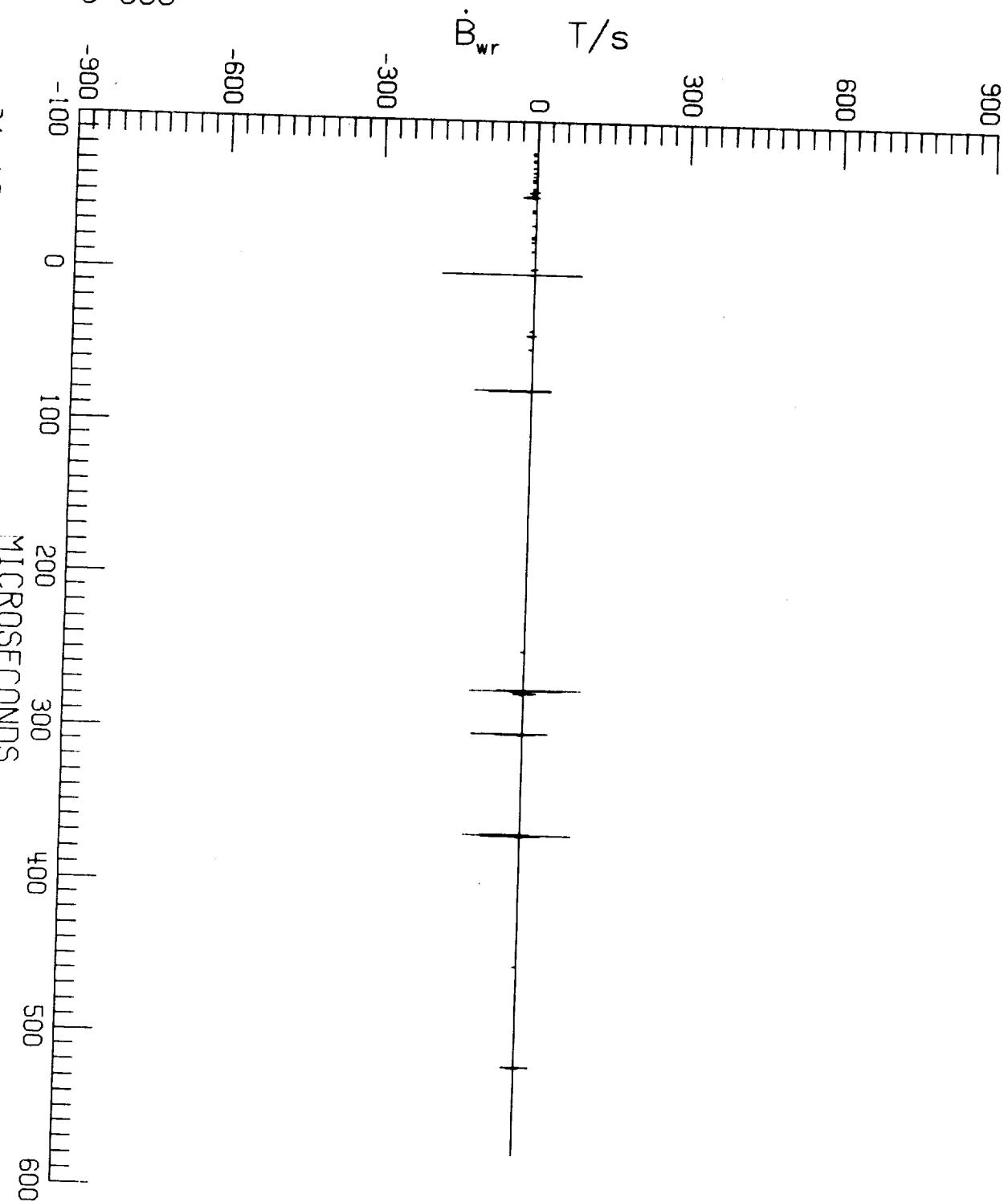
21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3

RUN NO. 5

S-005



21:13:03-6

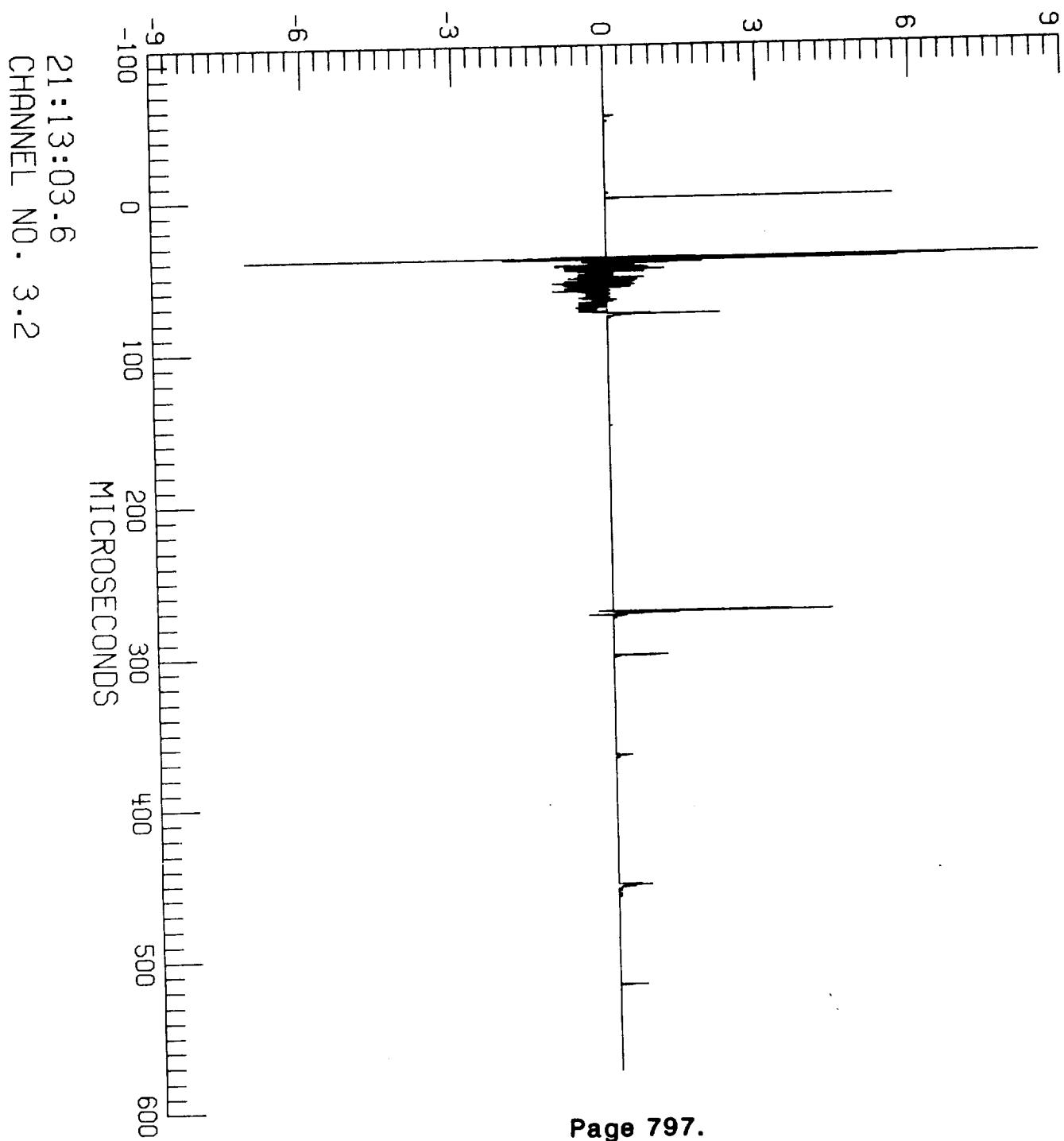
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²



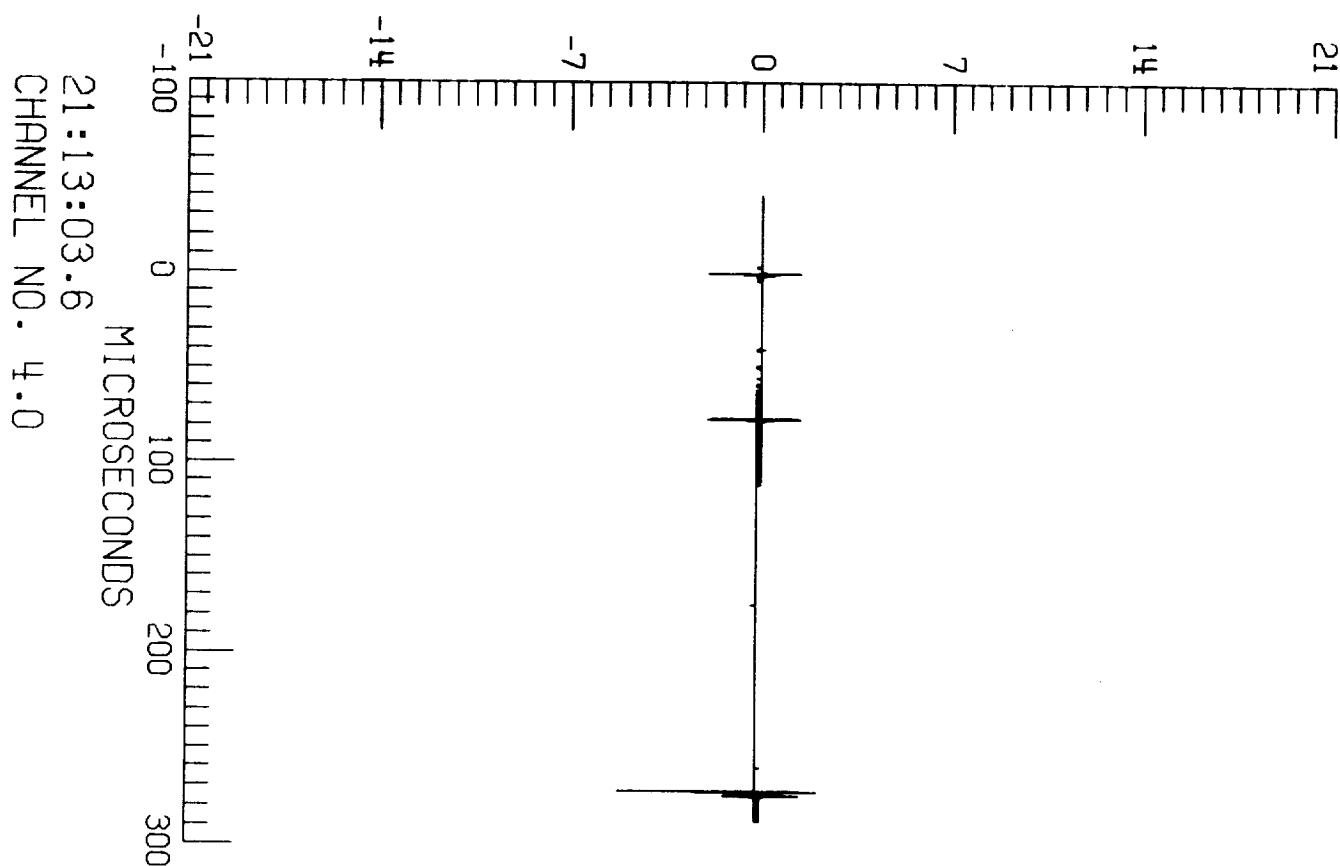
21:13:03-6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101 V



F106 LIGHTNING/85-035/ZAEPFEL

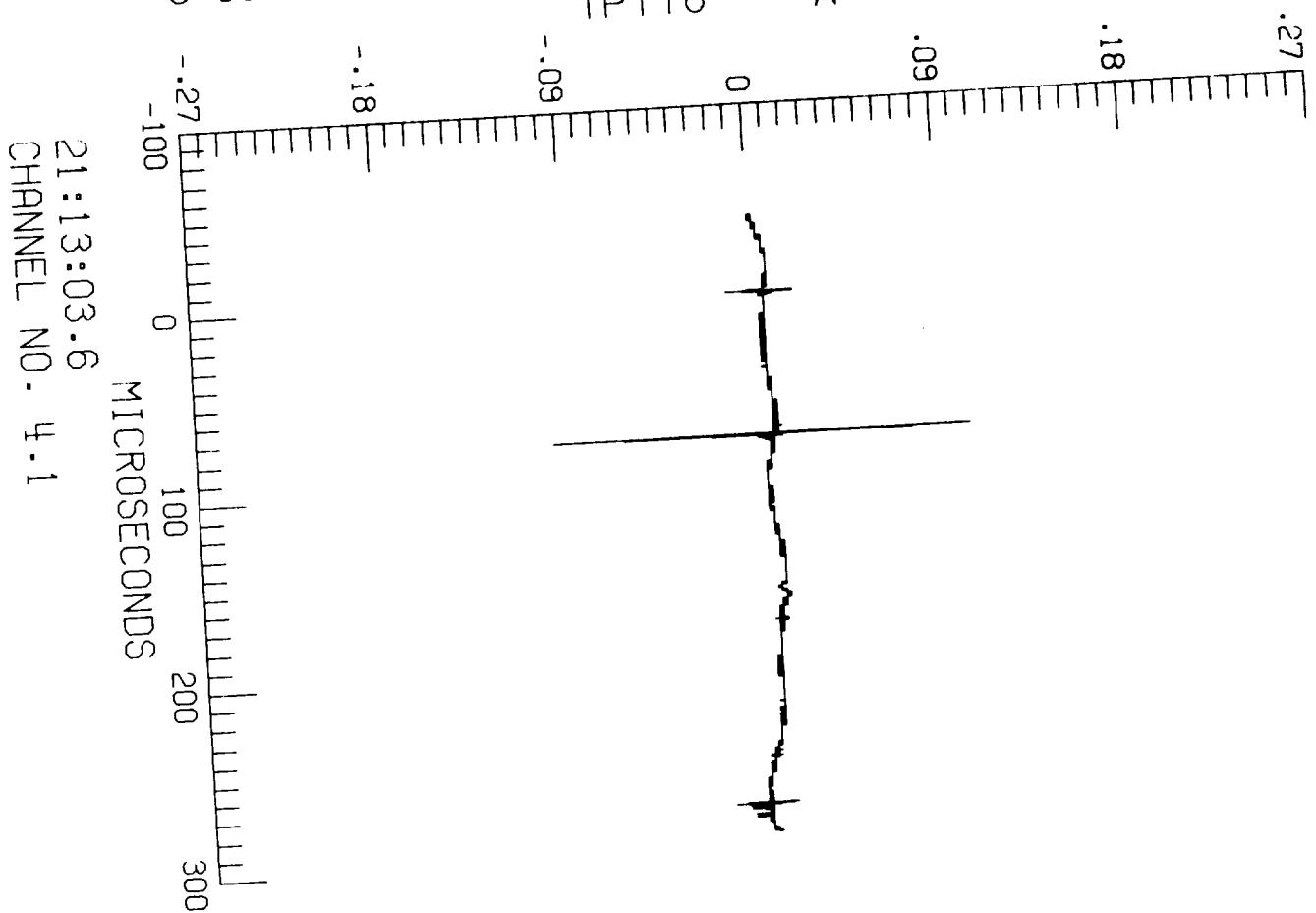
LEC 4

RUN NO. 5

S-005

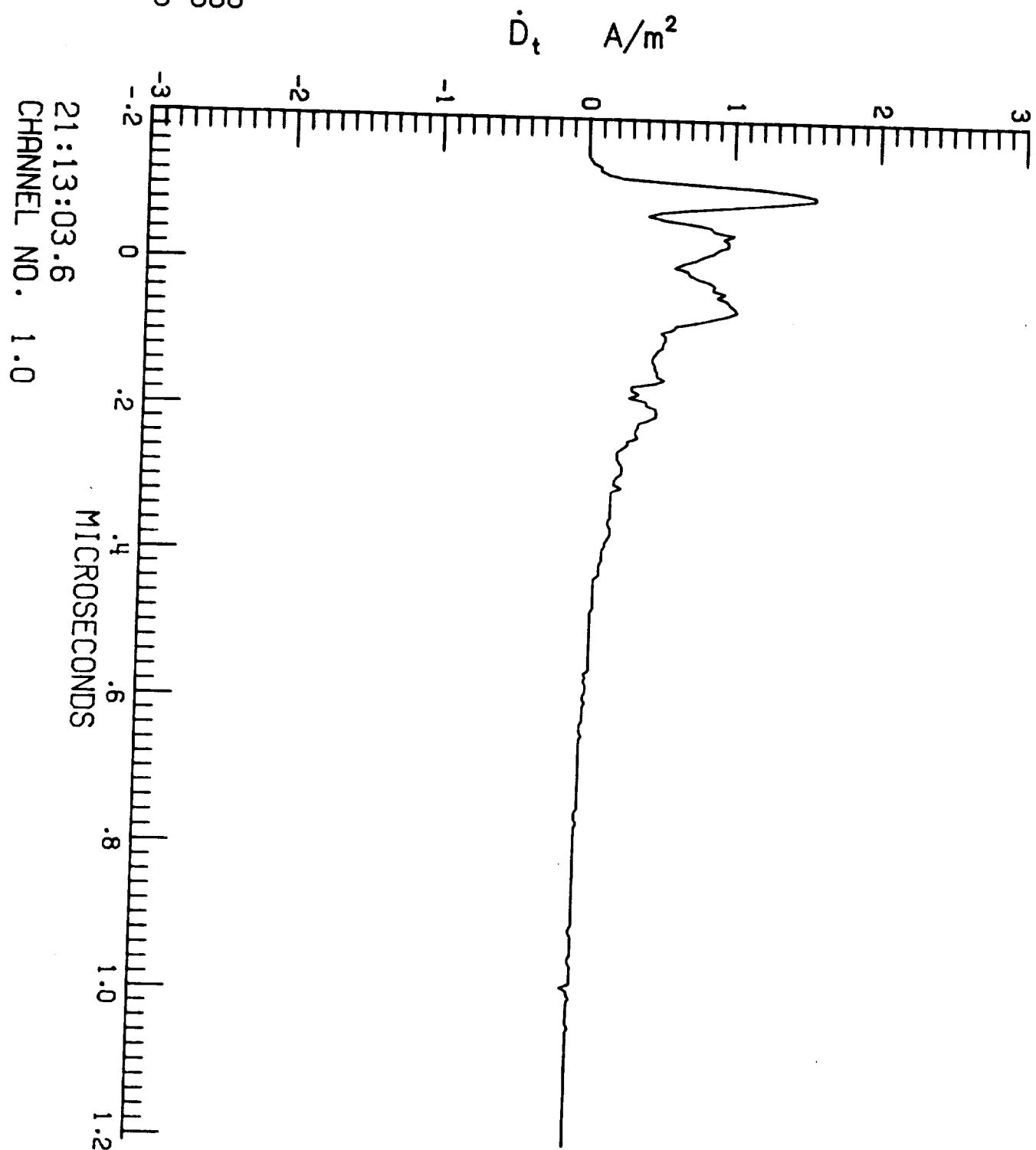
TP116

A



21:13:03.6
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 5
S-005



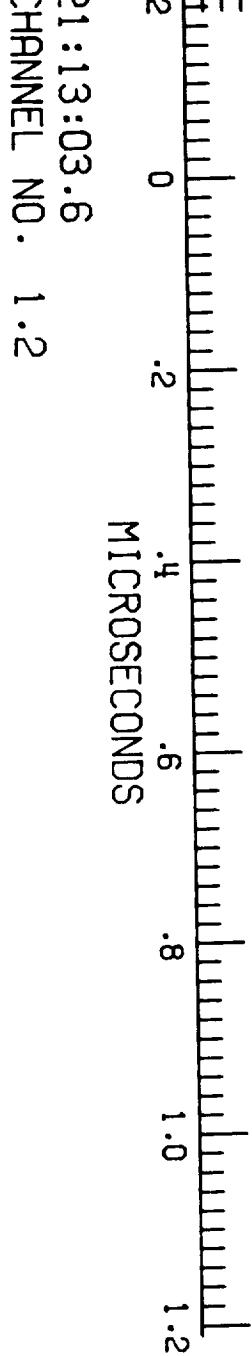
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

I_t A

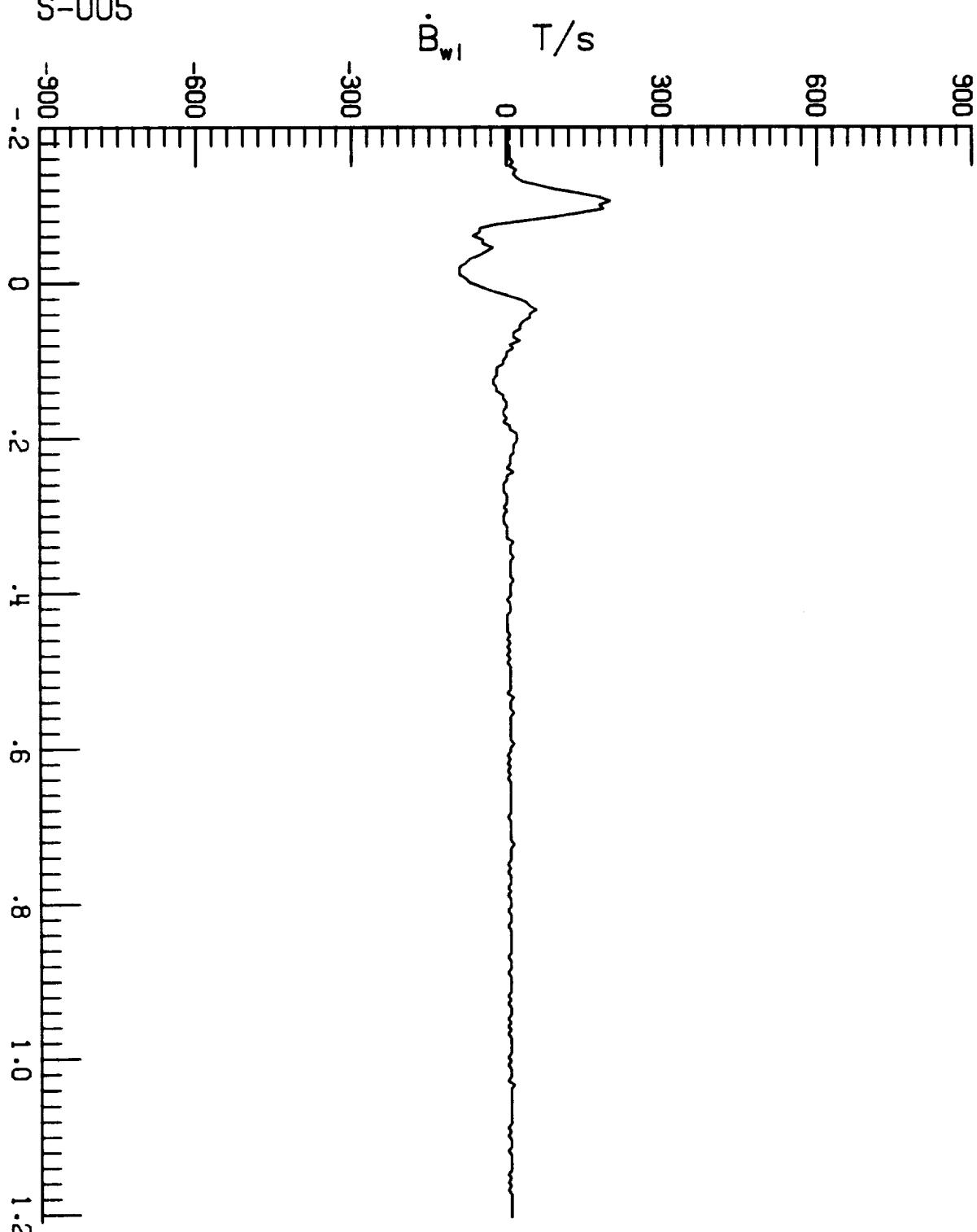
21 $\times 10^3$



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005



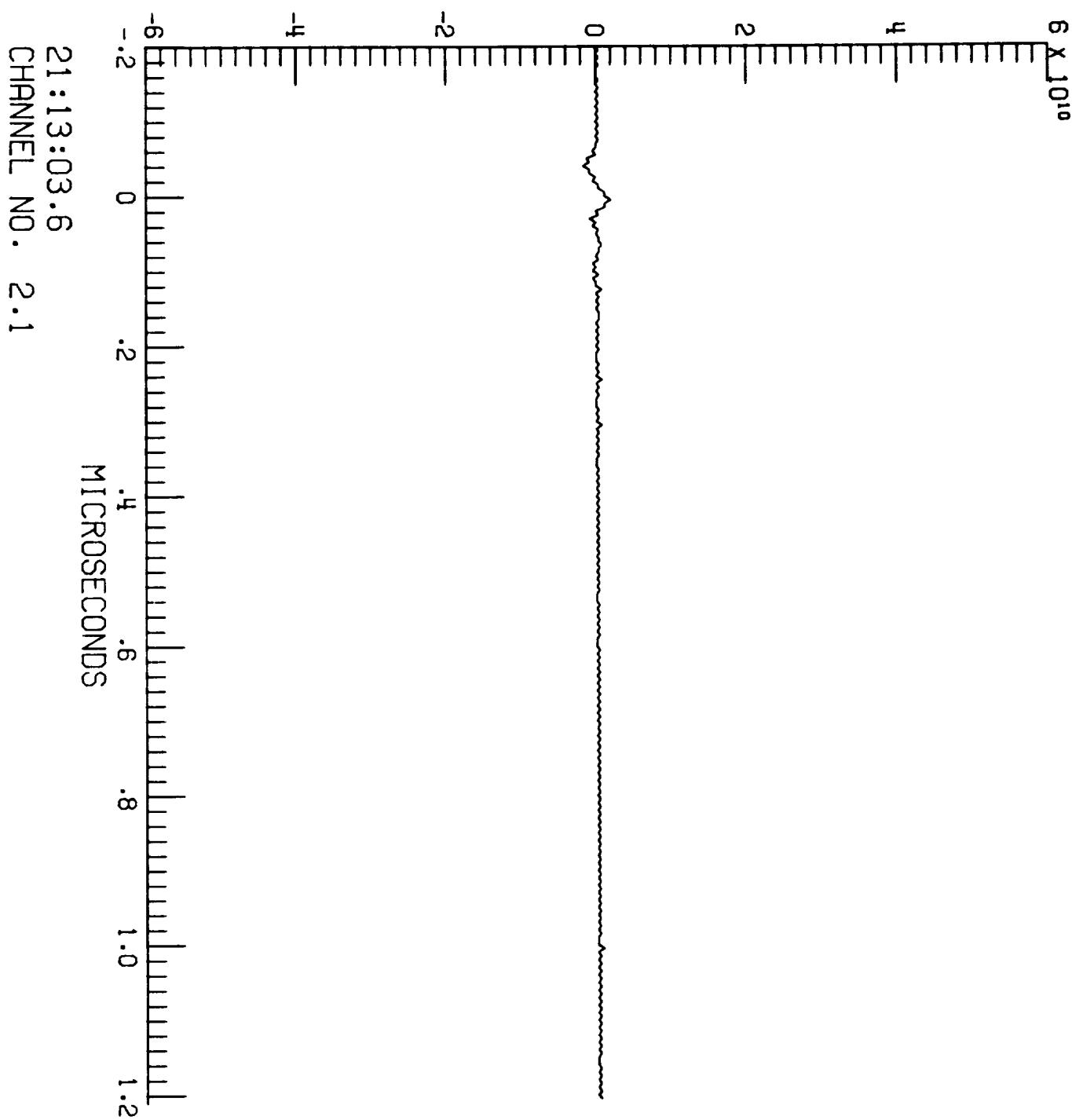
21:13:03.6
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005

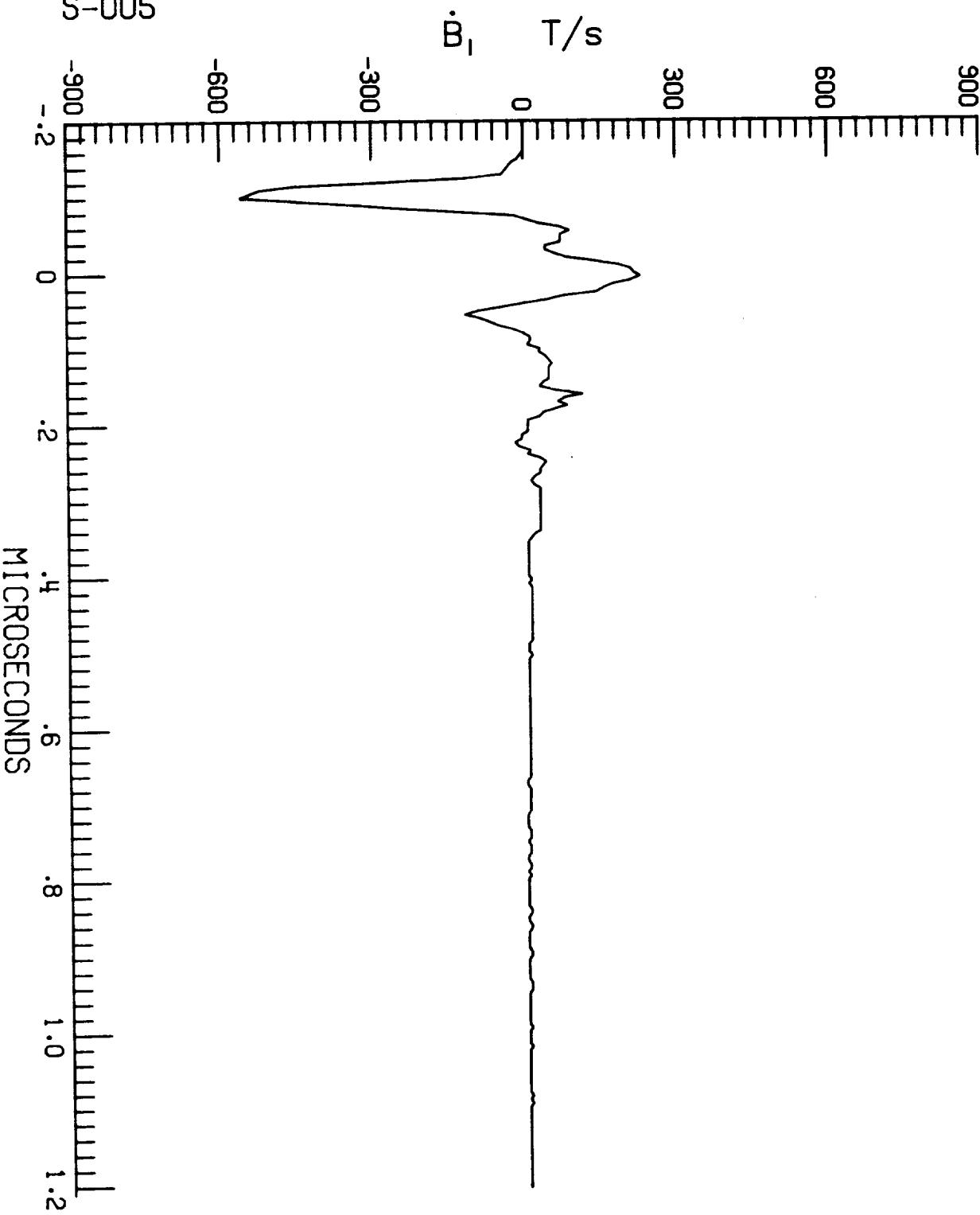
\dot{I} A/s



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005



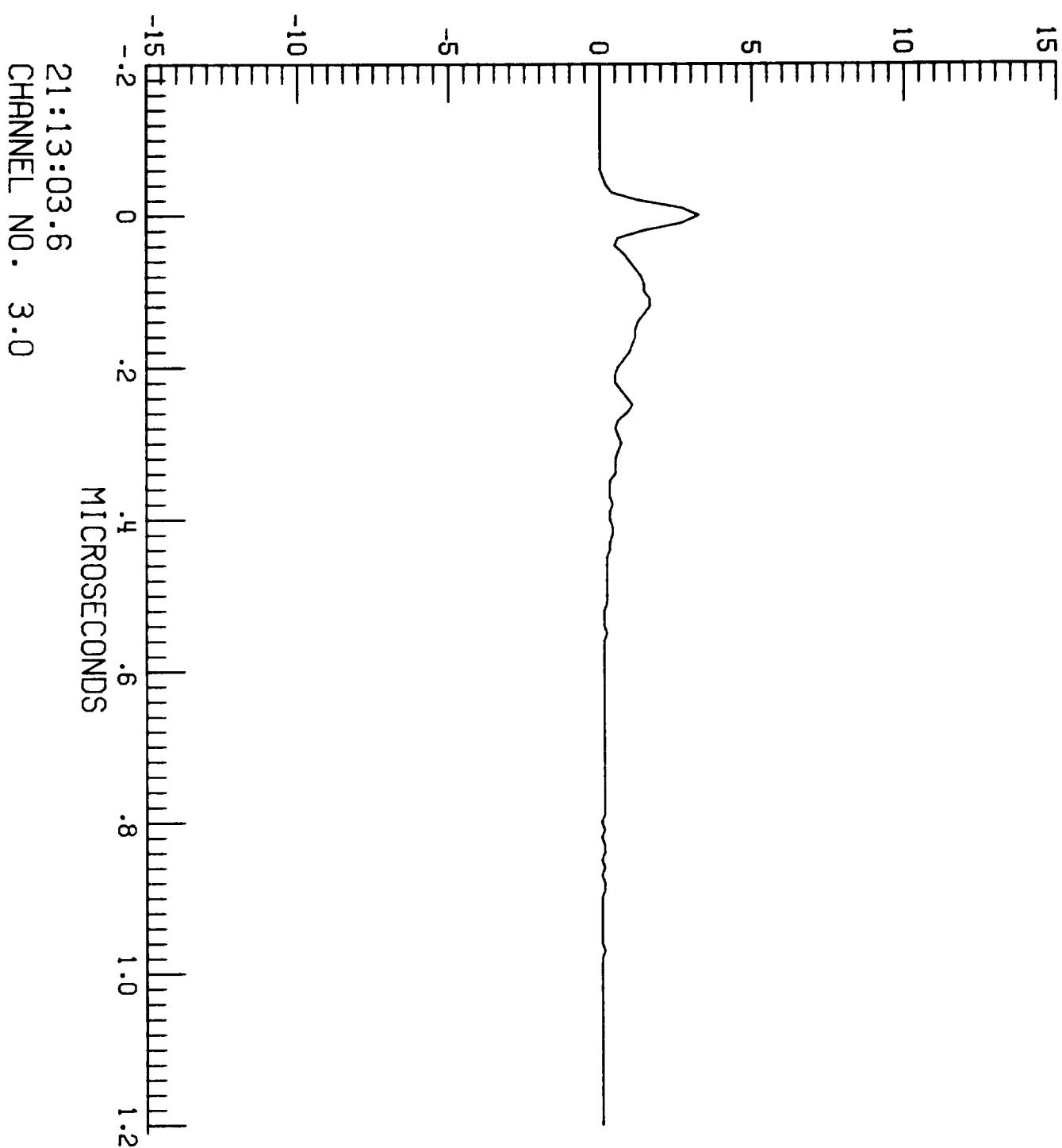
21:13:03.6
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²

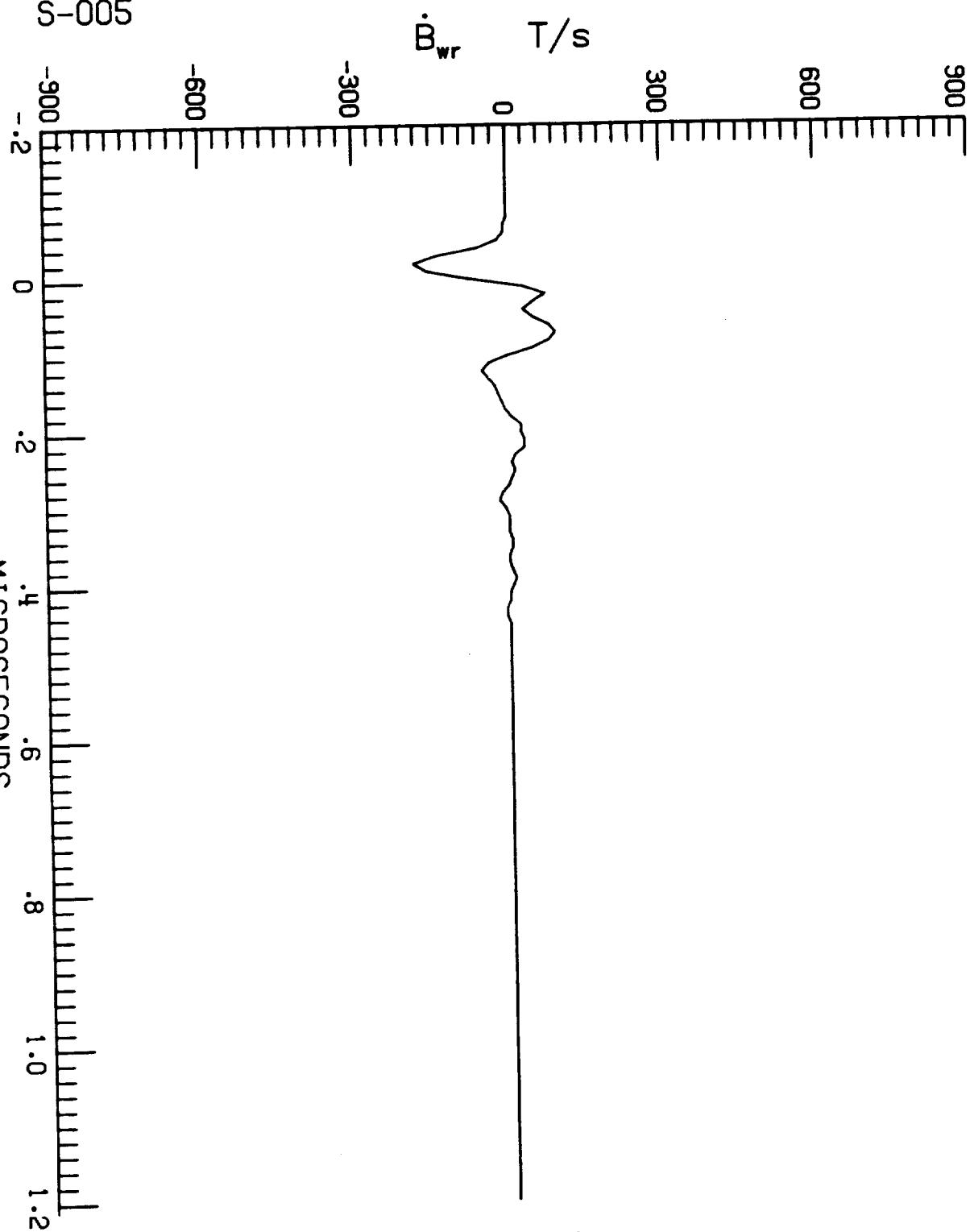


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

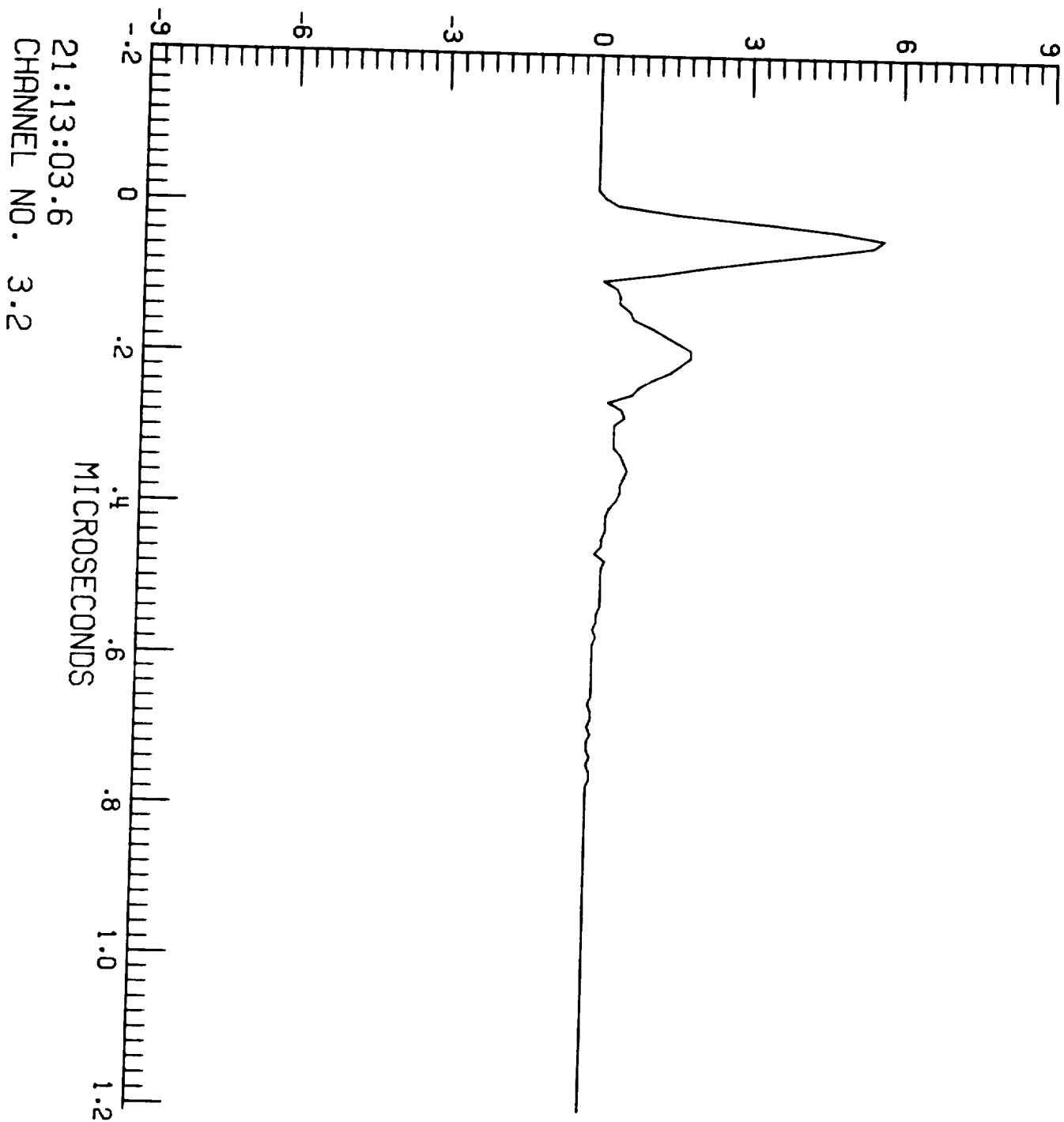
LEC 3 RUN NO. 5

S-005



F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5
S-005

\dot{D}_f A/m²



21:13:03.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V

21

14

7

0

-7

-14

-21

-2

0

.2

.4

.6

.8

1.0

1.2

MICROSECONDS

21:13:03.6
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V

21

14

7

0

-7

-14

-1

0
1

2
3
4
5
6

MICROSECONDS

21:13:03.6
CHANNEL NO. 4.0

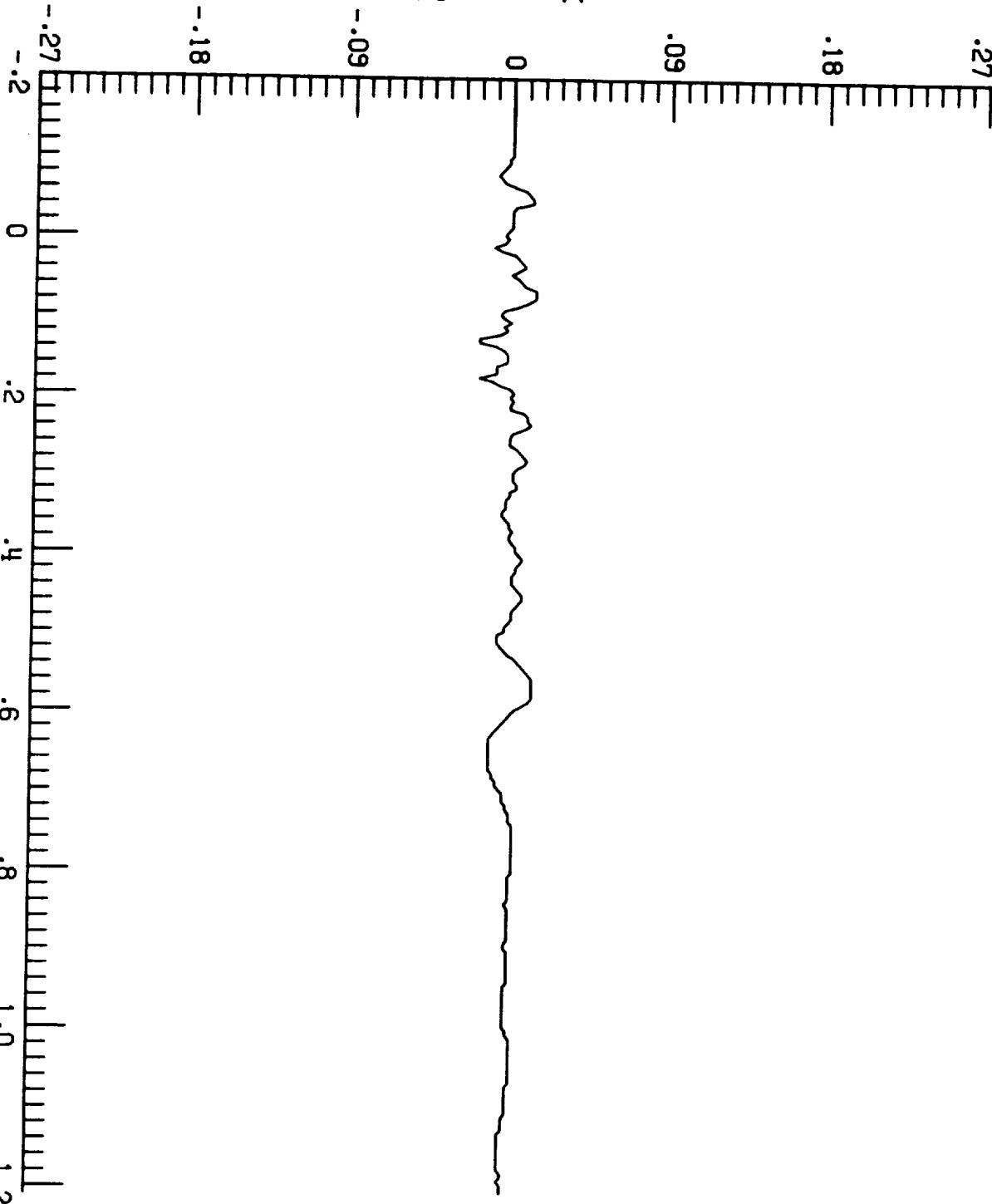
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP116

A



21:13:03.6
CHANNEL NO. 4.1

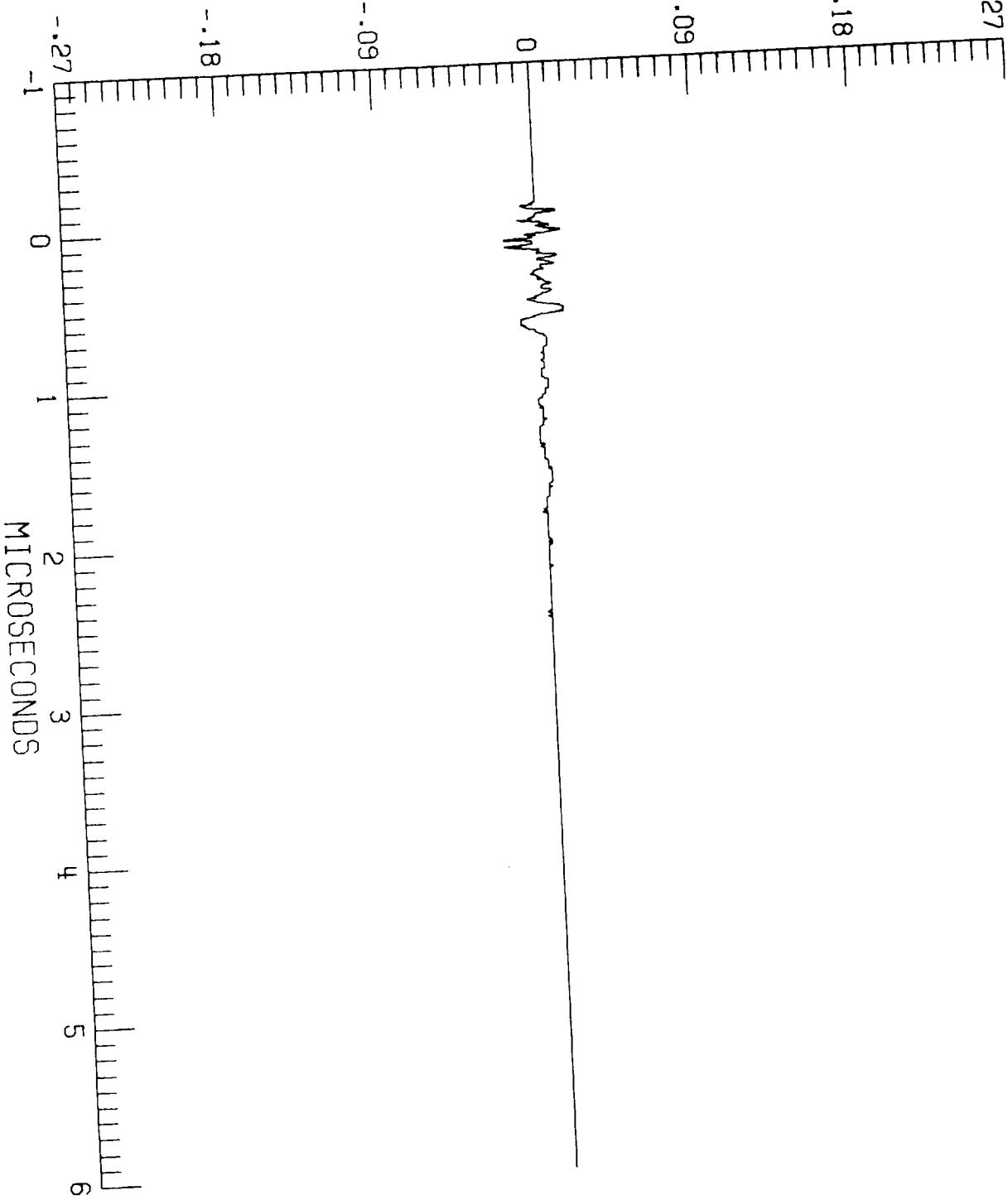
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

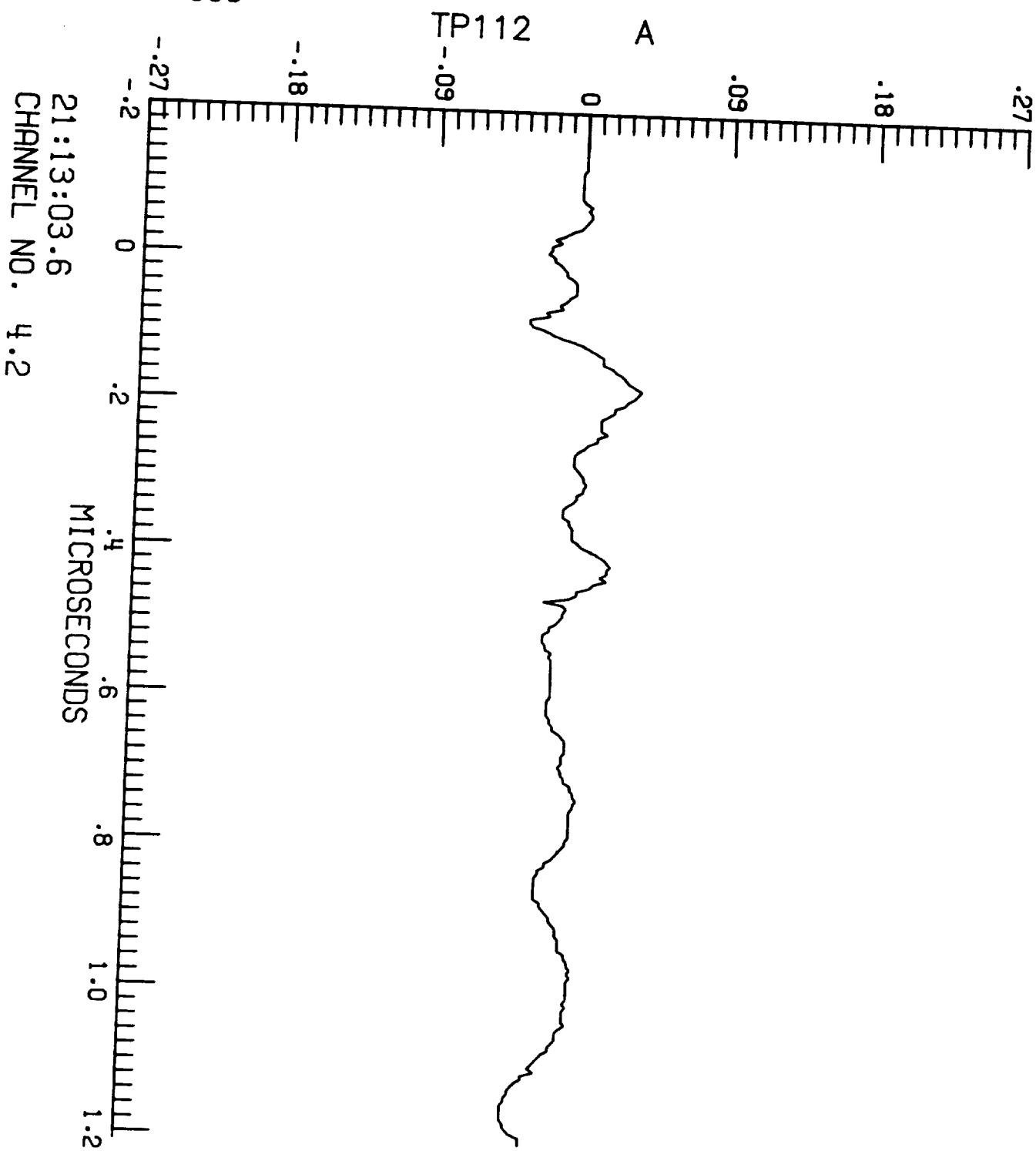
TP116

A



21:13:03.6
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 4 RUN NO. 5
S-005



F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP112

A

.27

.18

.09

0

-.18

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-.27

0

1

2

3

4

5

6

MICROSECONDS

21:13:03.6
CHANNEL NO. 4.2

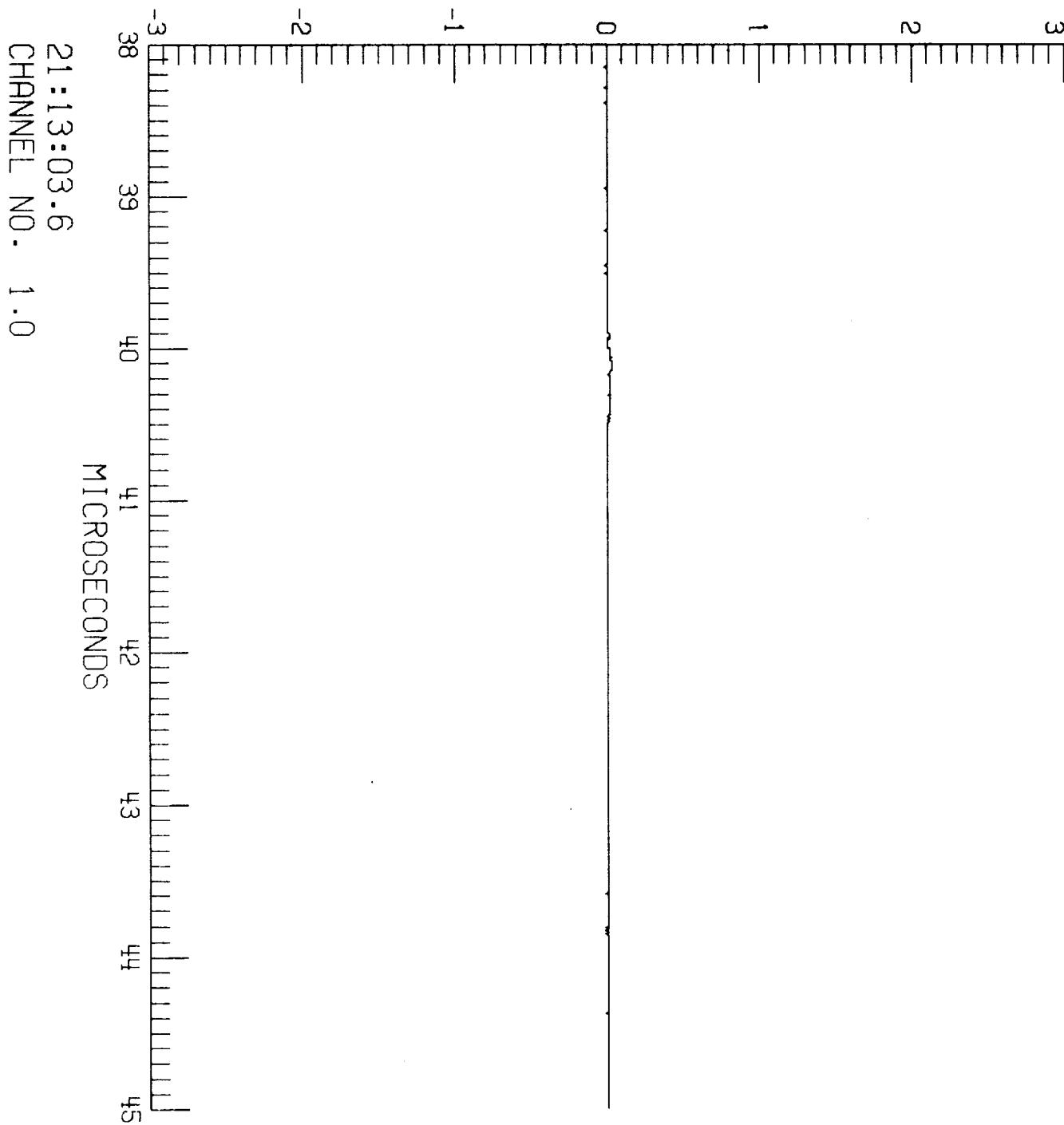


F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

\dot{D}_t A/m²



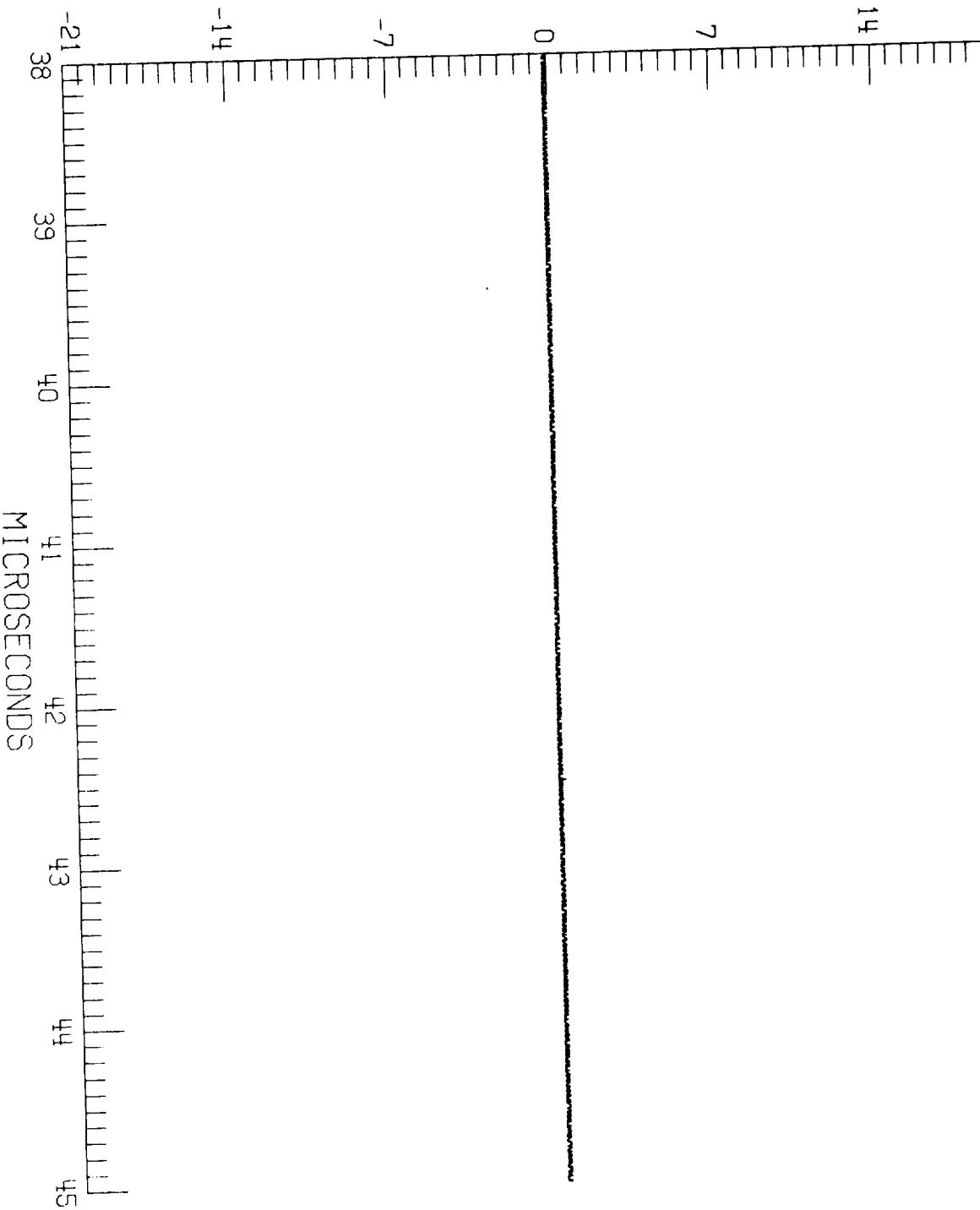
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

I_t A

21×10^3

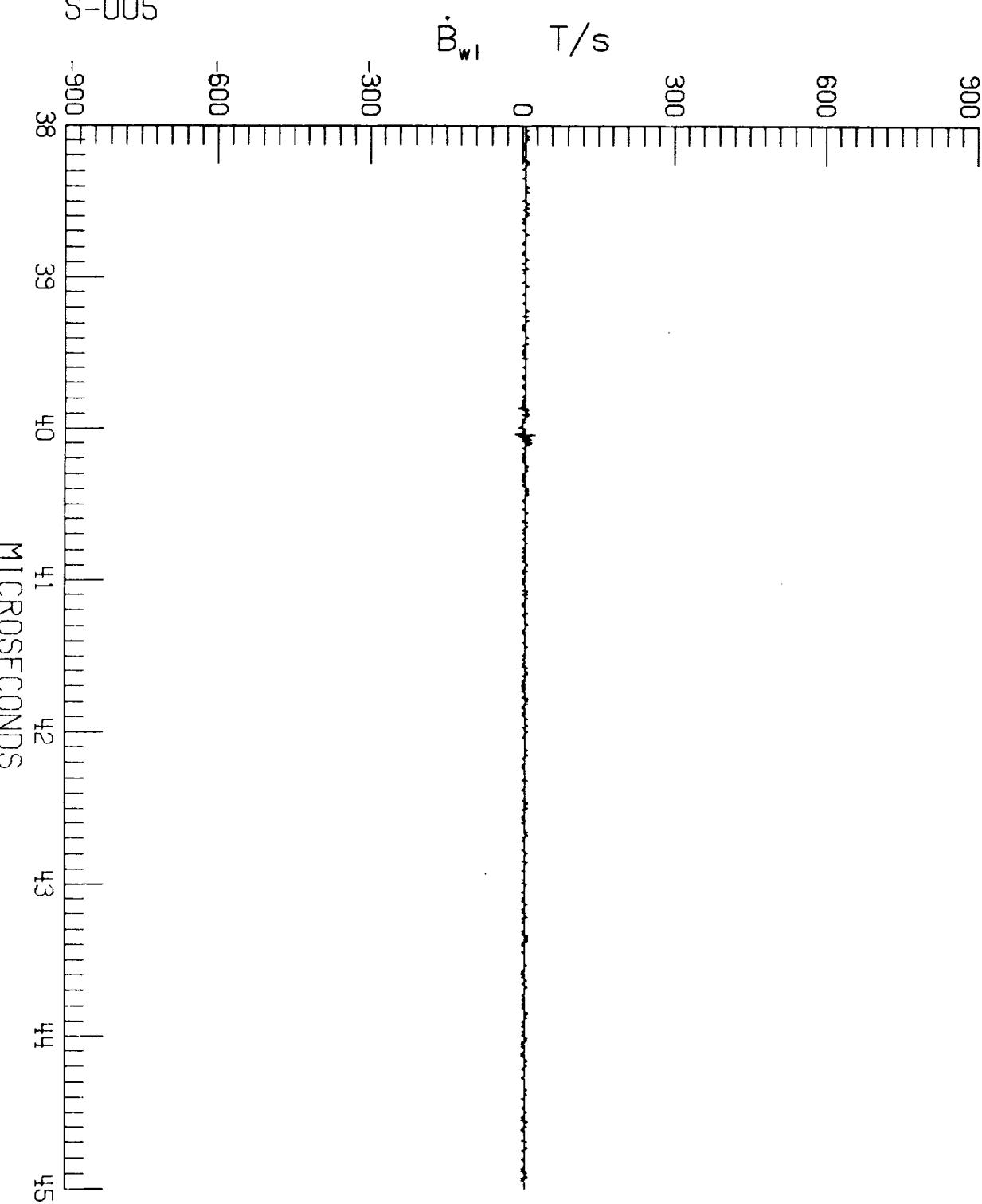


21:13:03.6
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005



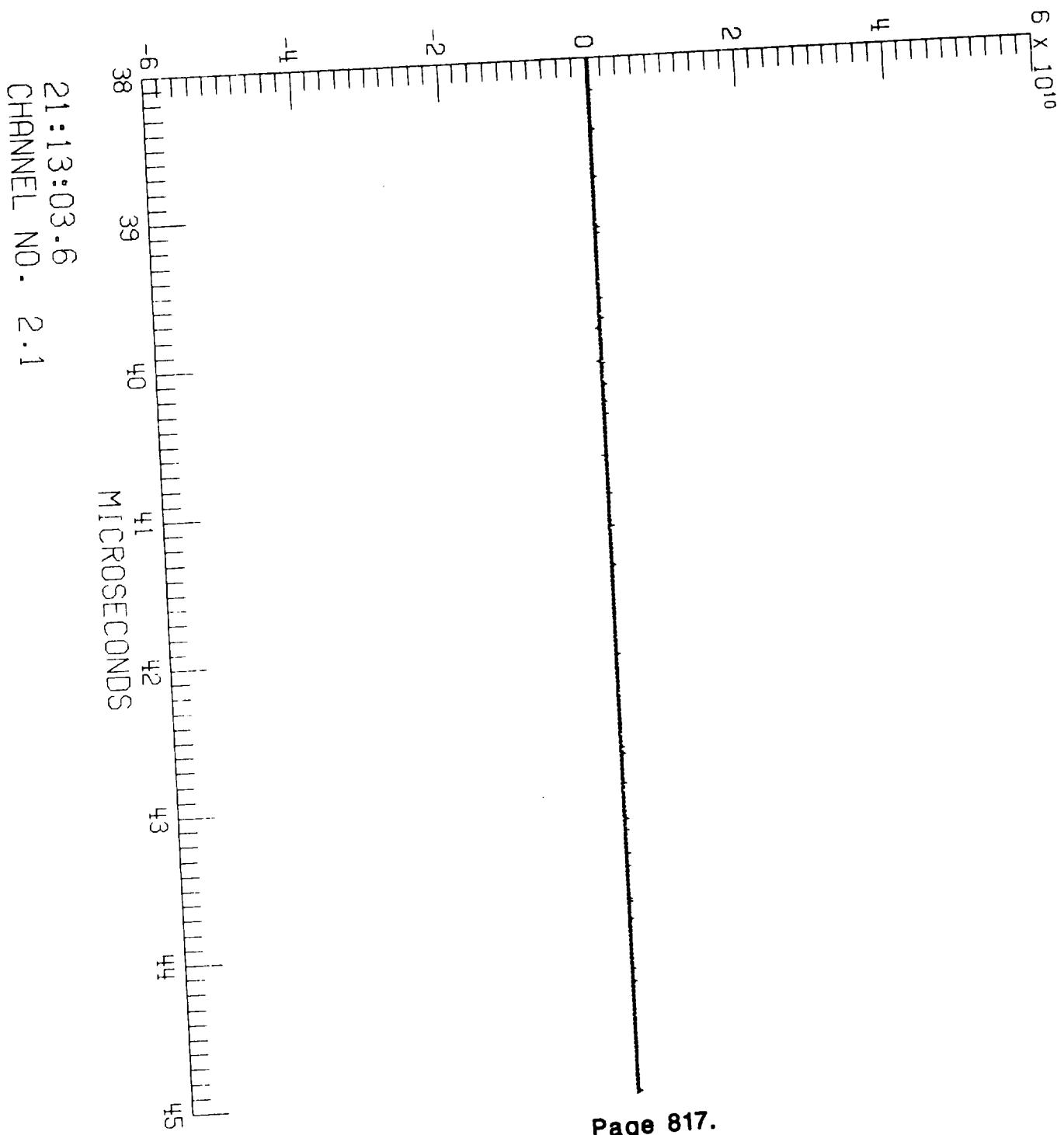
21:13:03.6
CHANNEL NO. 2.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

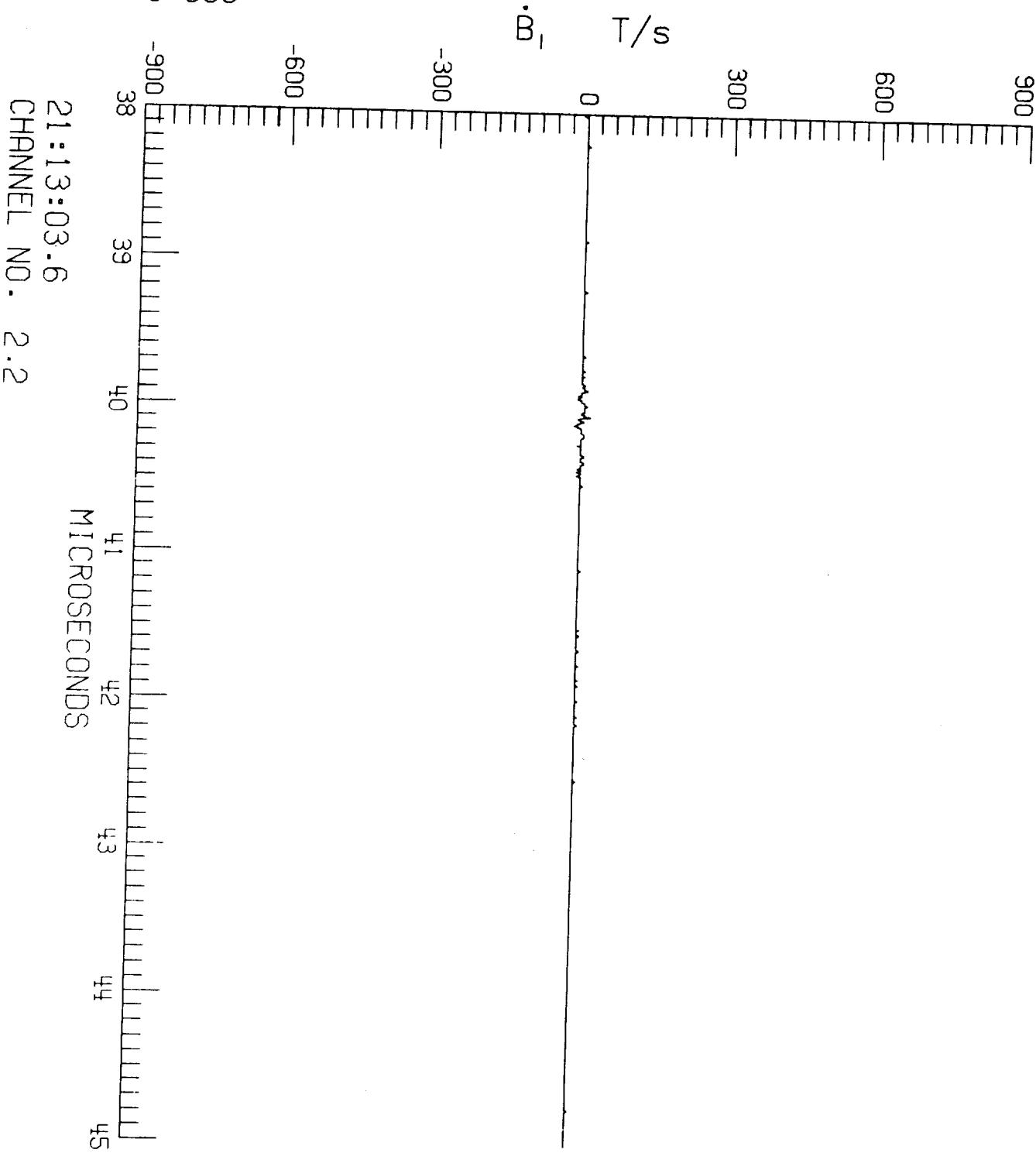
S-005

I A/s



21:13:03.6
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 2 RUN NO. 5
S-005



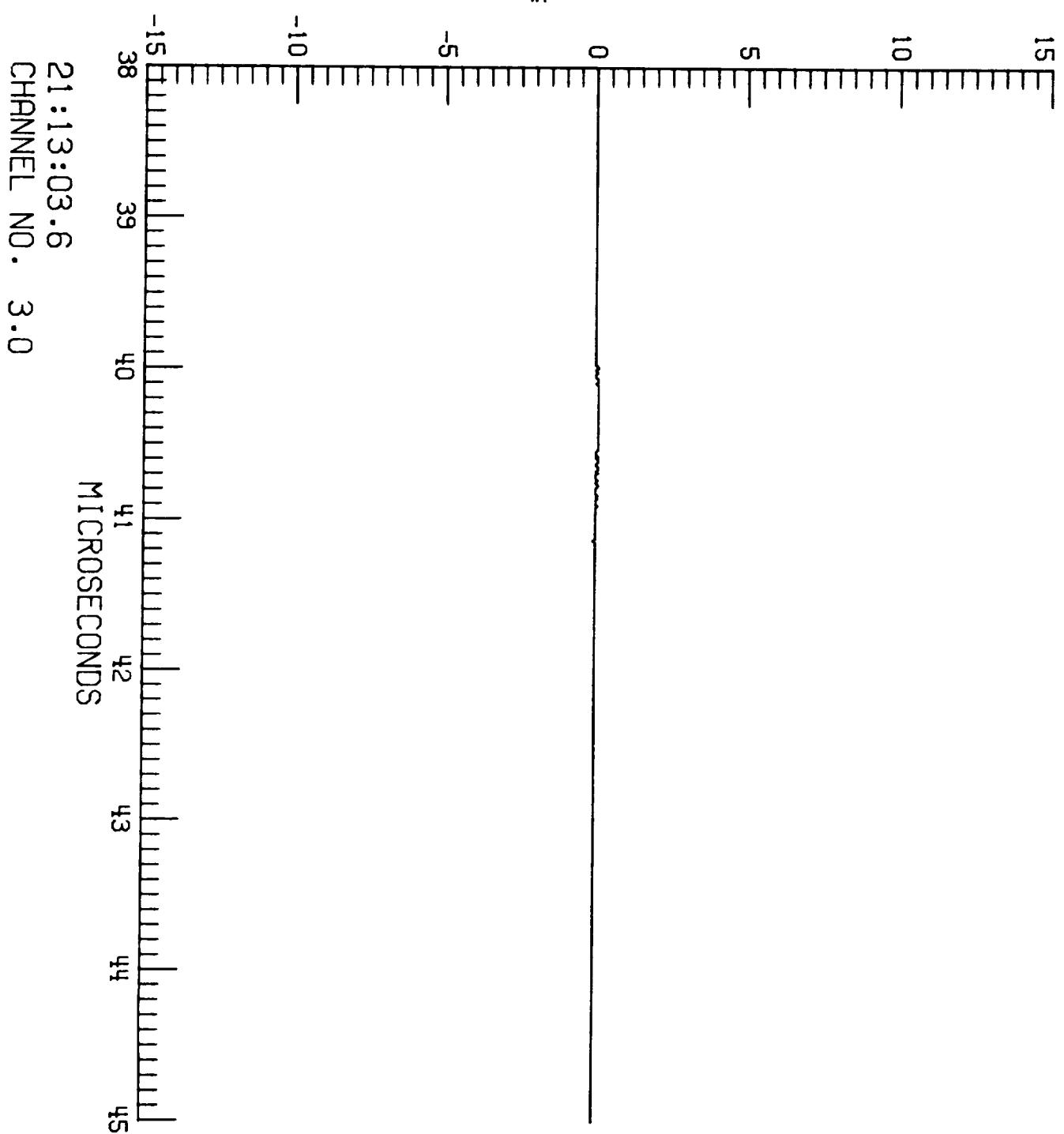
21:13:03.6
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²



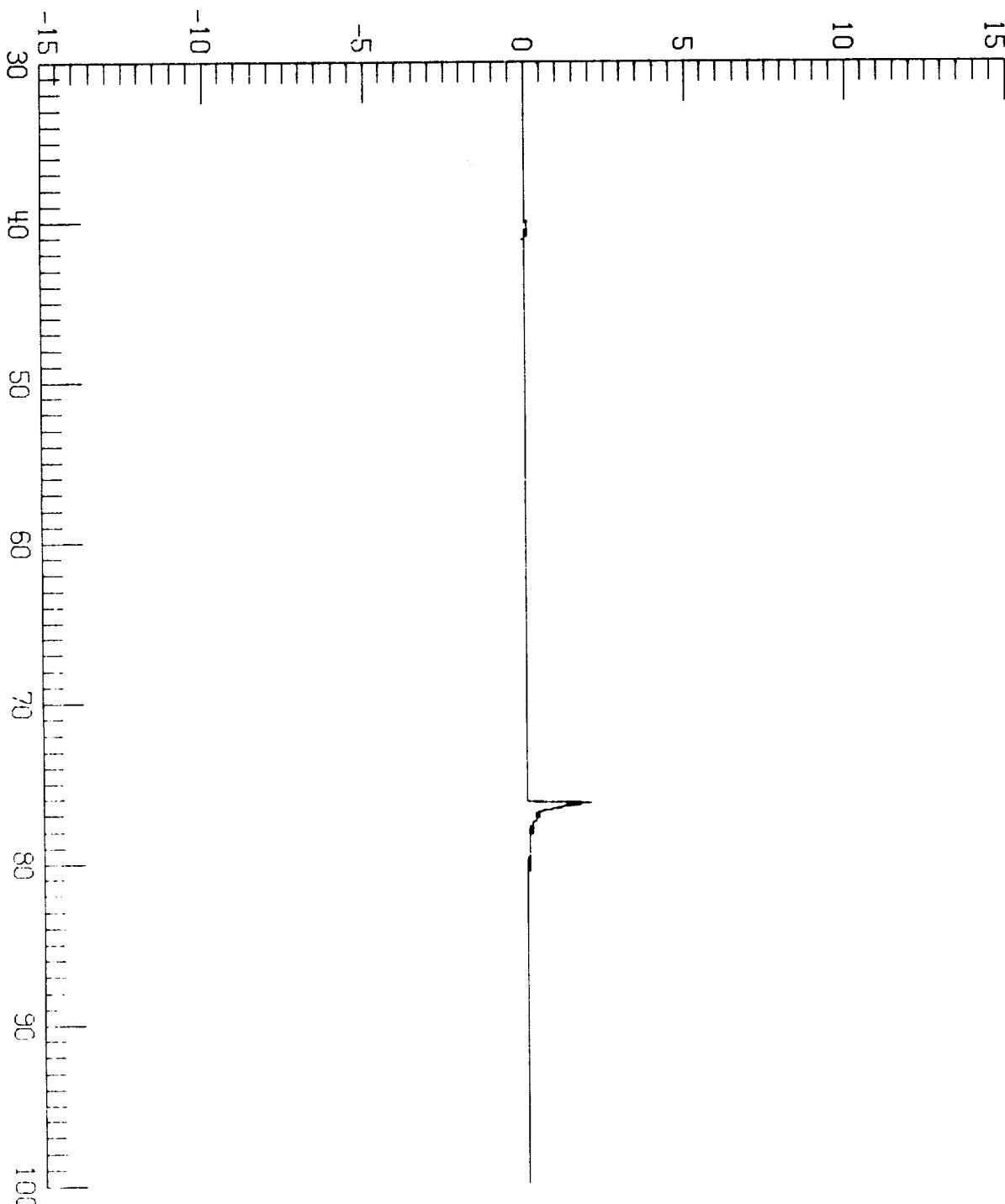
21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²

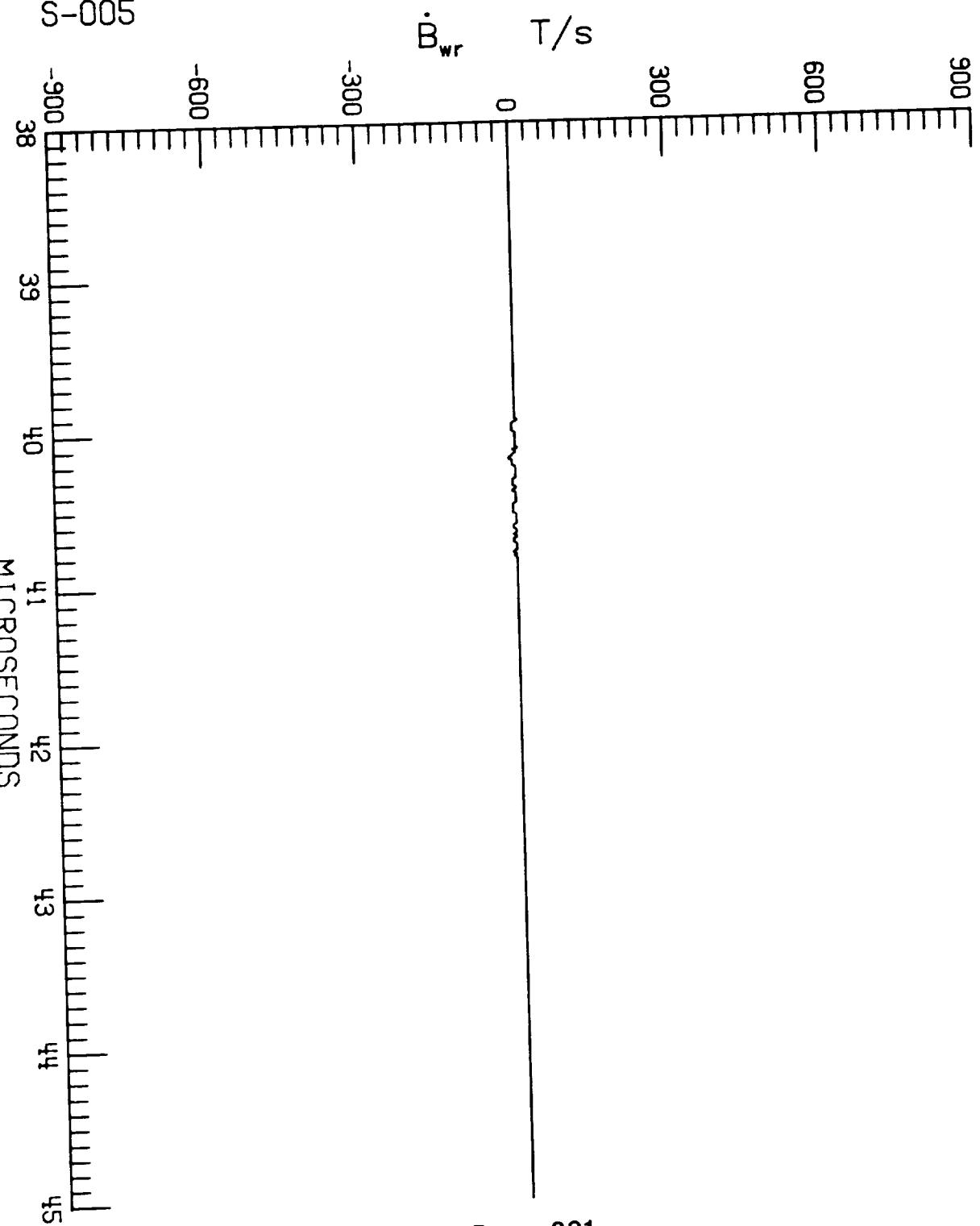


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

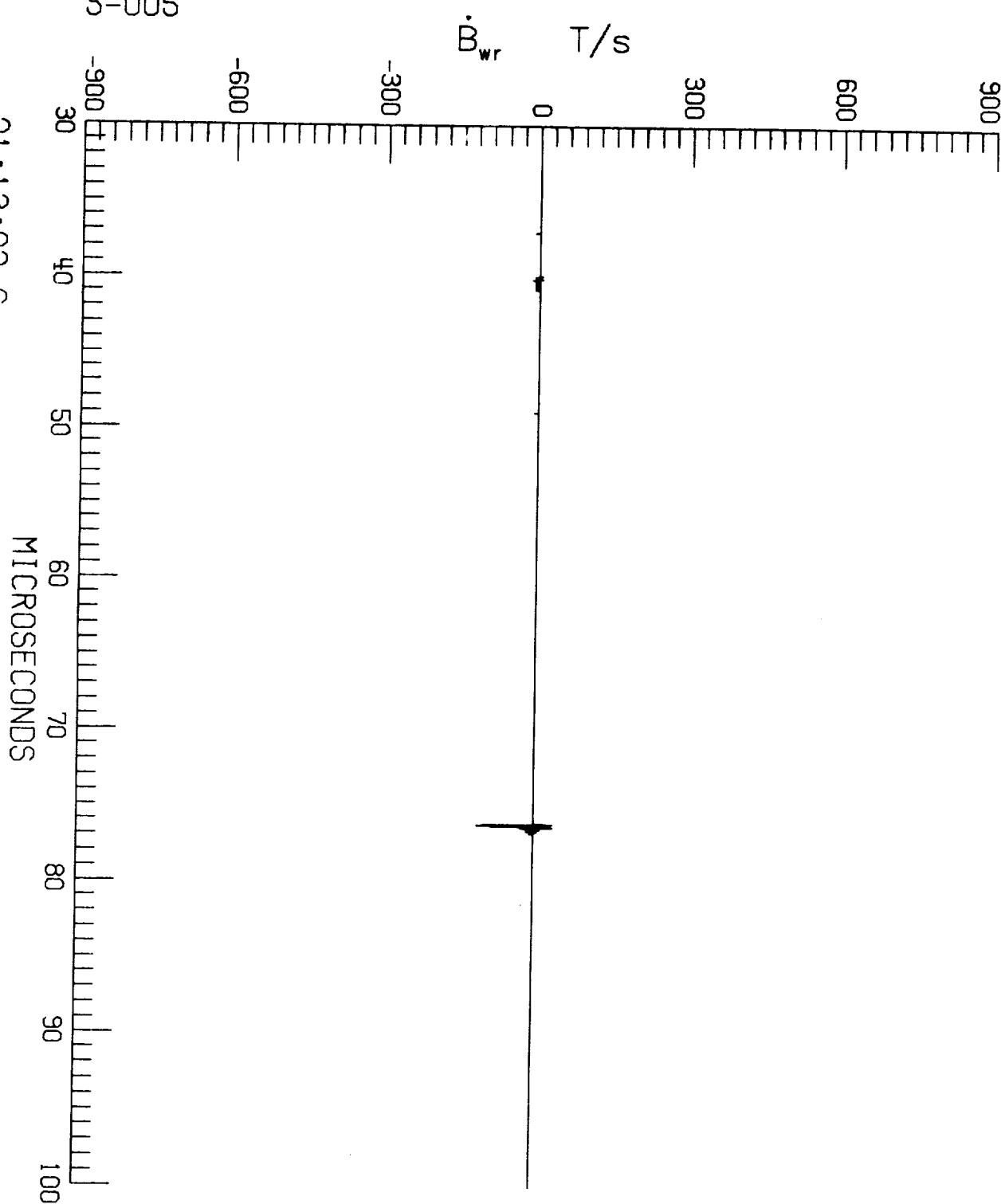


21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005



21:13:03-6
CHANNEL NO. 3.1

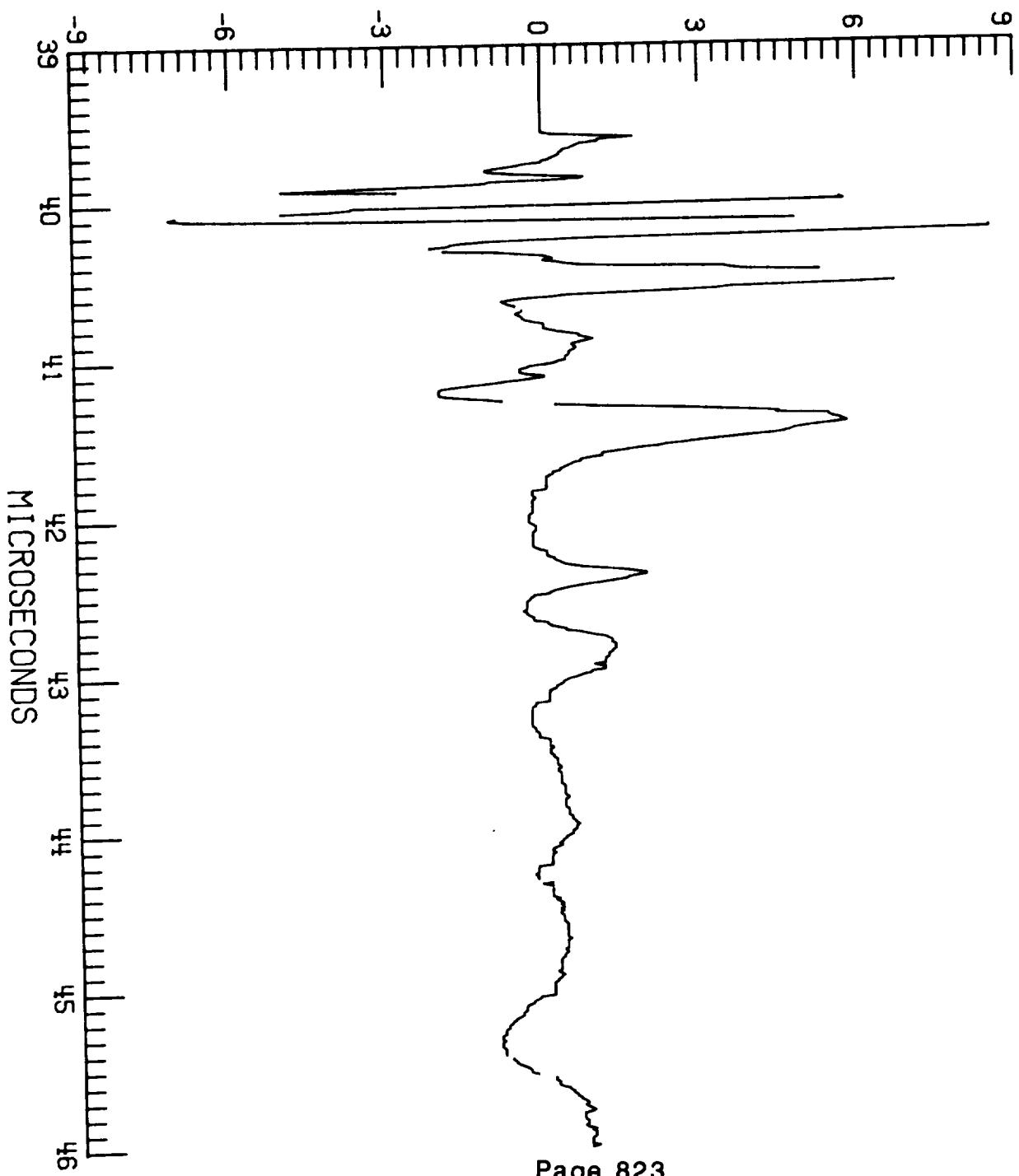
F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²

21:13:03.6
CHANNEL NO. 3.2

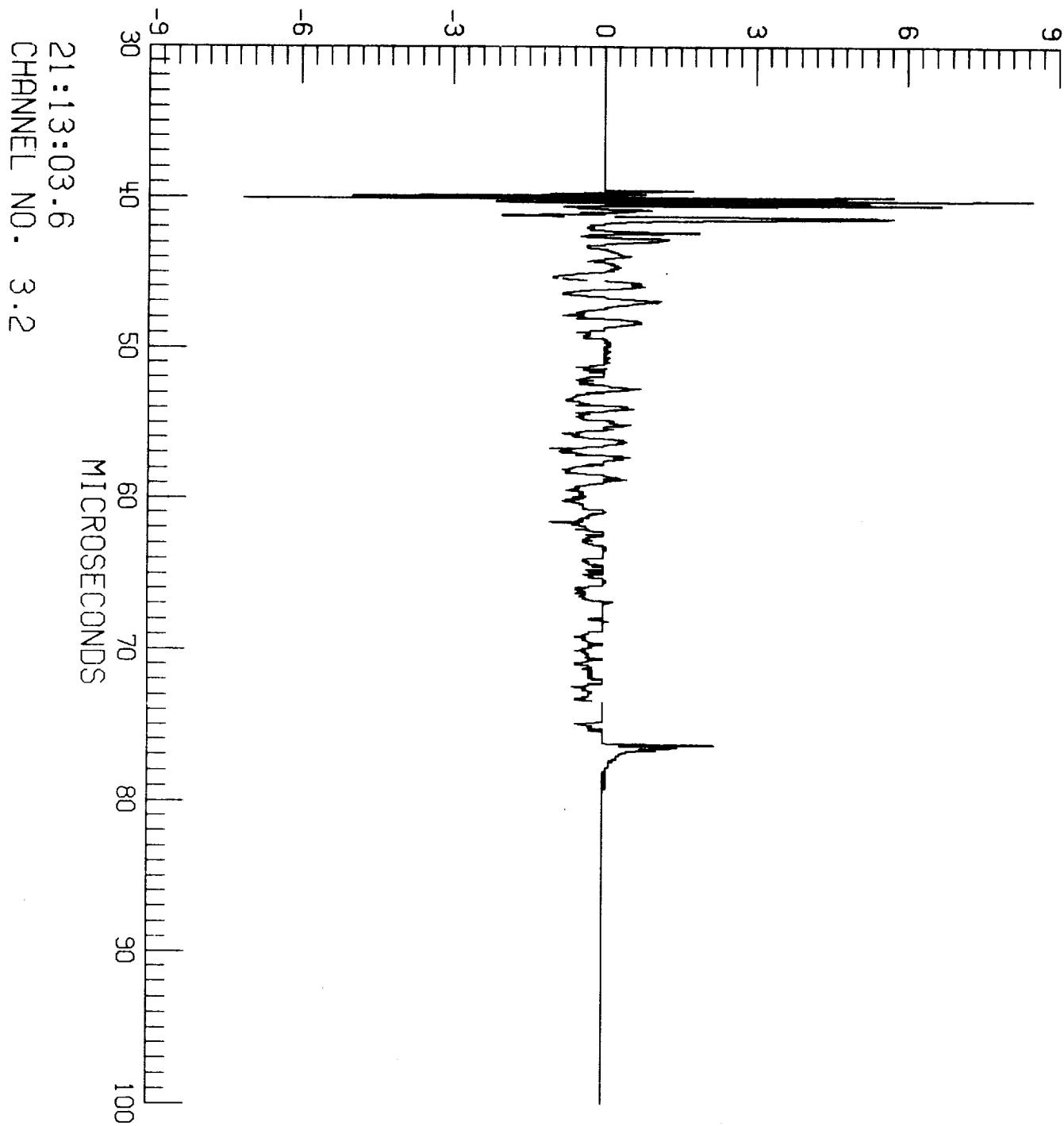


F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²



21:13:03.6
CHANNEL NO. 3.2

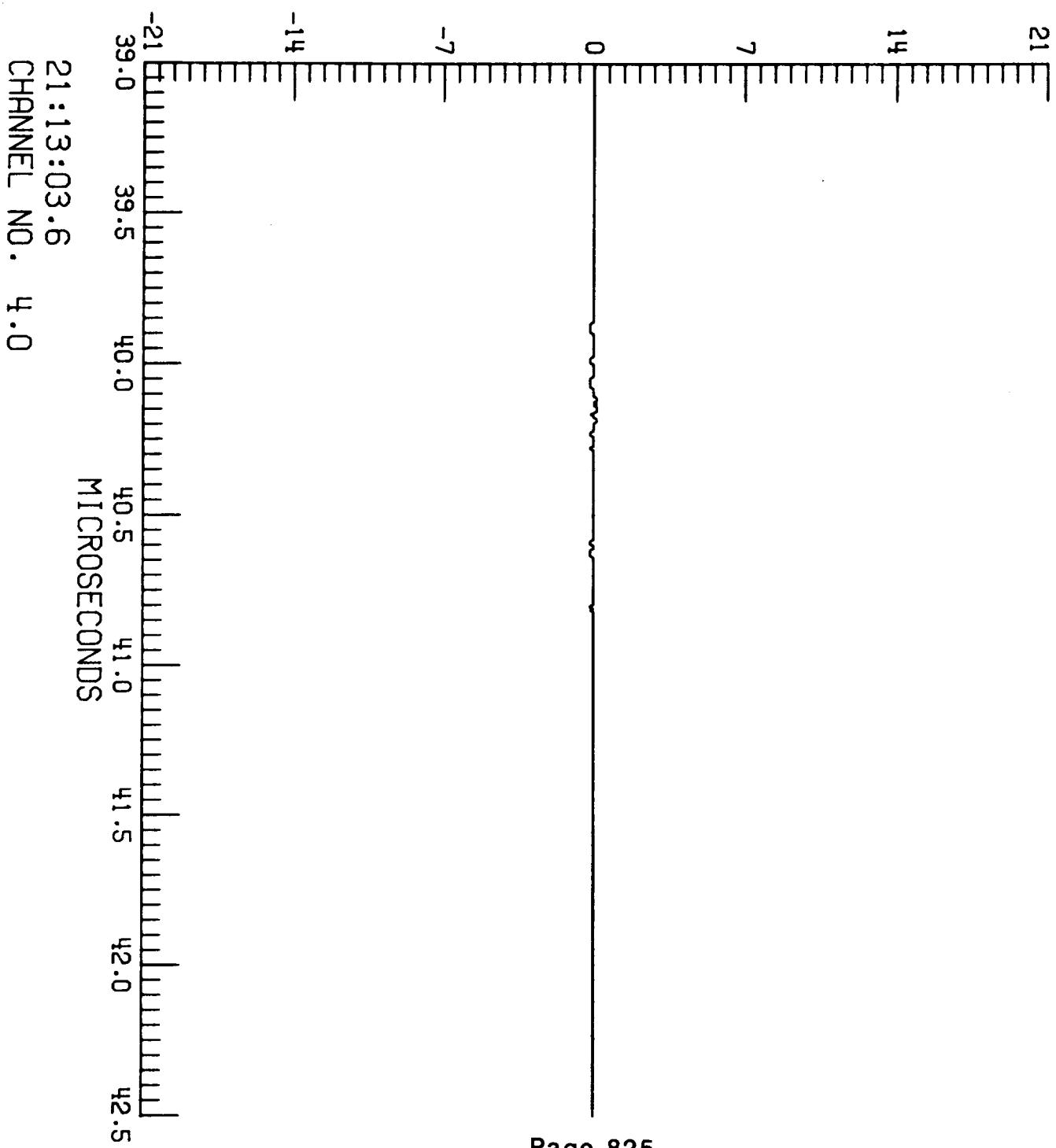
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V



21:13:03.6
CHANNEL NO.

4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP116

A

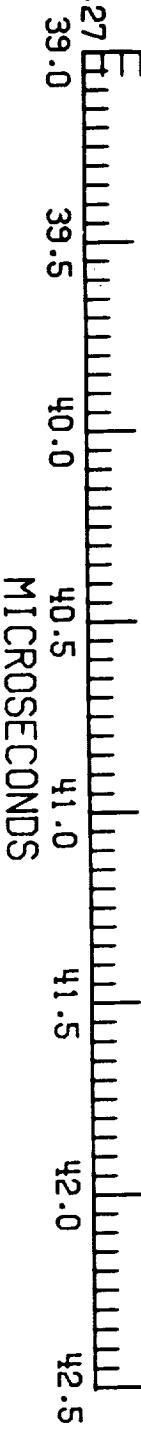
-.18

-.27

.09

.18

.27



21:13:03.6
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP112

A

.18

.27

.09

0

-.09

-.18

-.27

39.0 39.5 40.0 40.5 41.0 41.5 42.0 42.5

MICROSECONDS

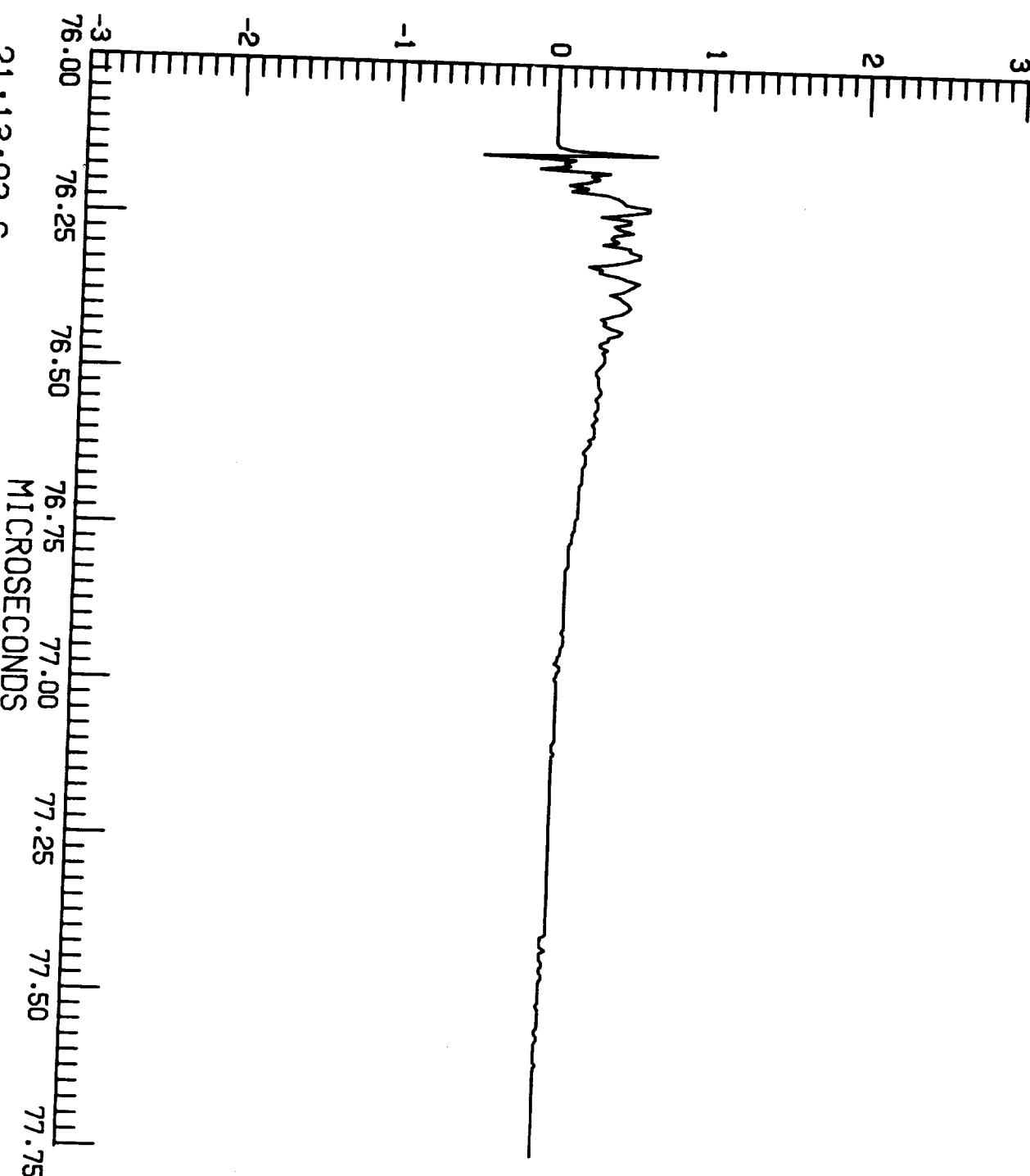
21:13:03.6
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

\dot{D}_t A/m²

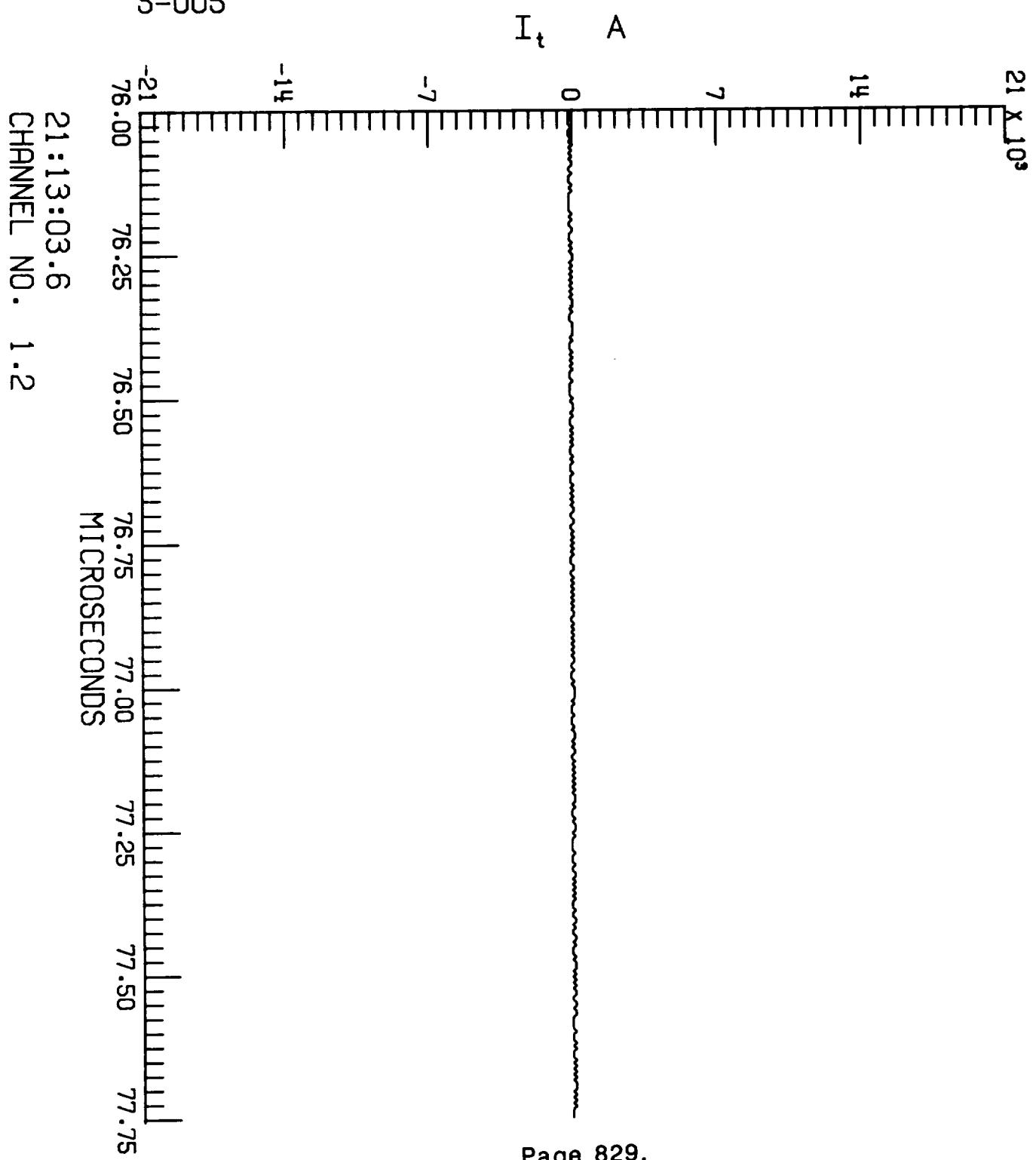


21:13:03.6
CHANNEL NO. 1.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

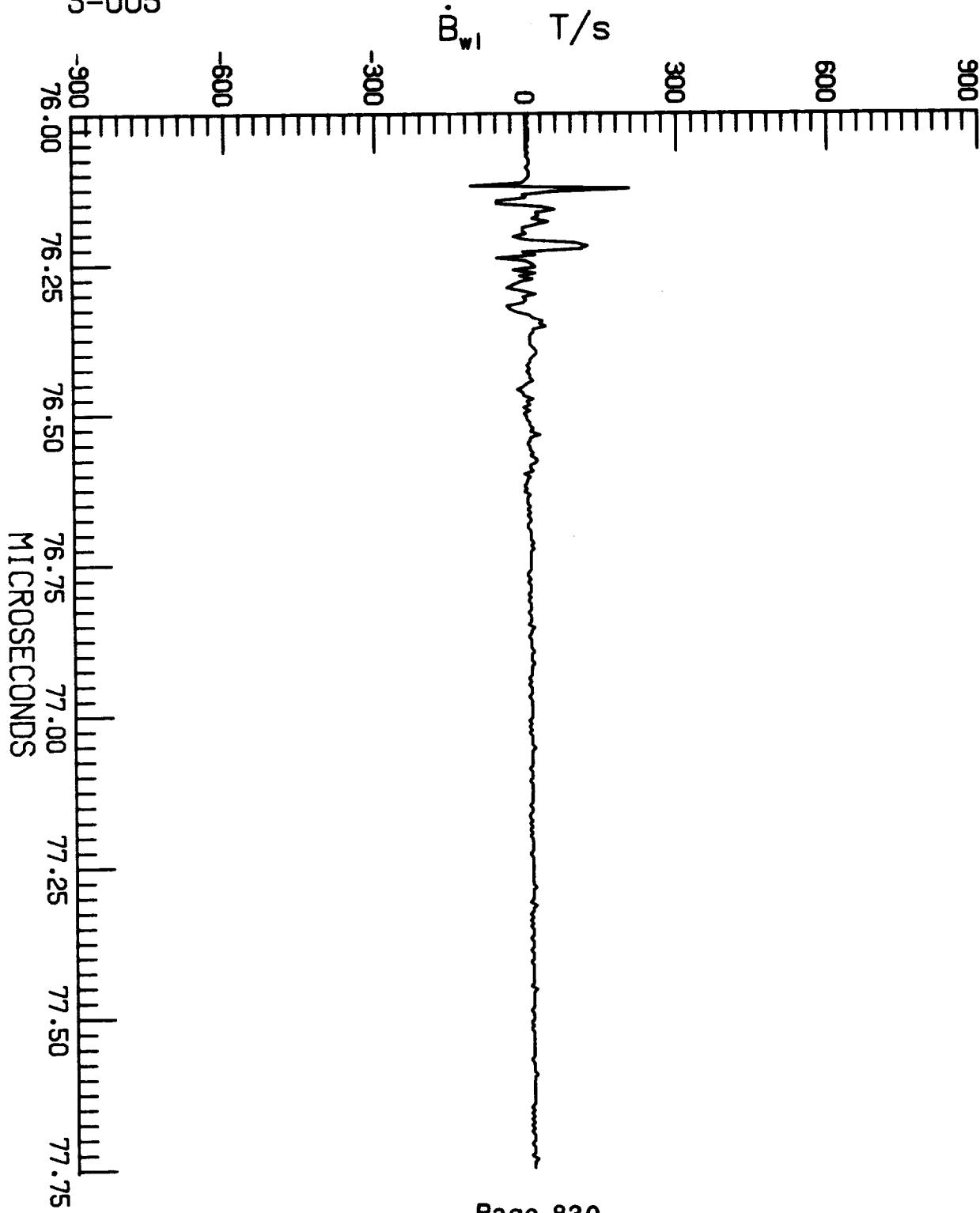
S-005



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005



21:13:03.6
CHANNEL NO. 2.0

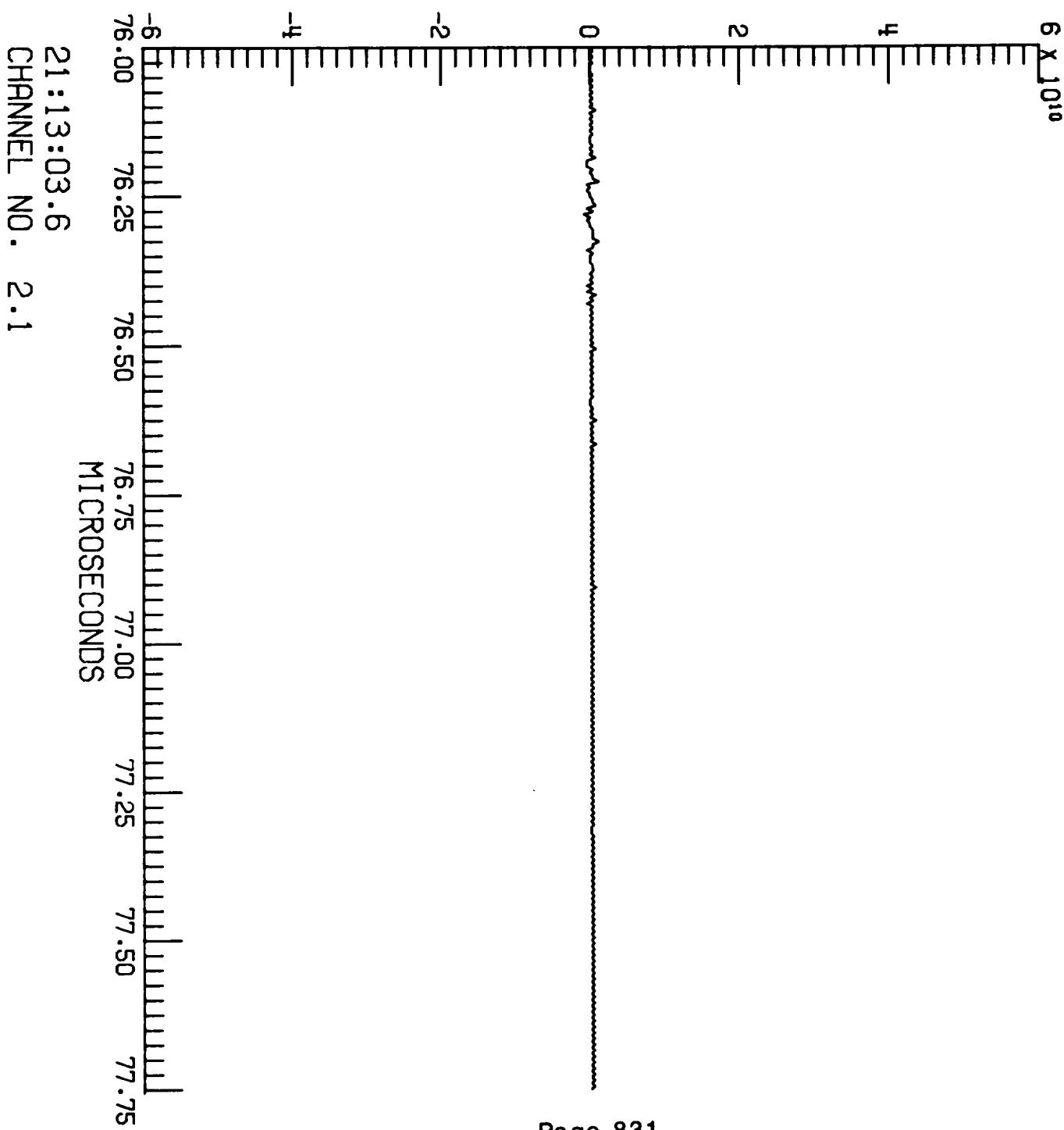
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005

$\frac{dI}{dt}$ A/s

6×10^{10}

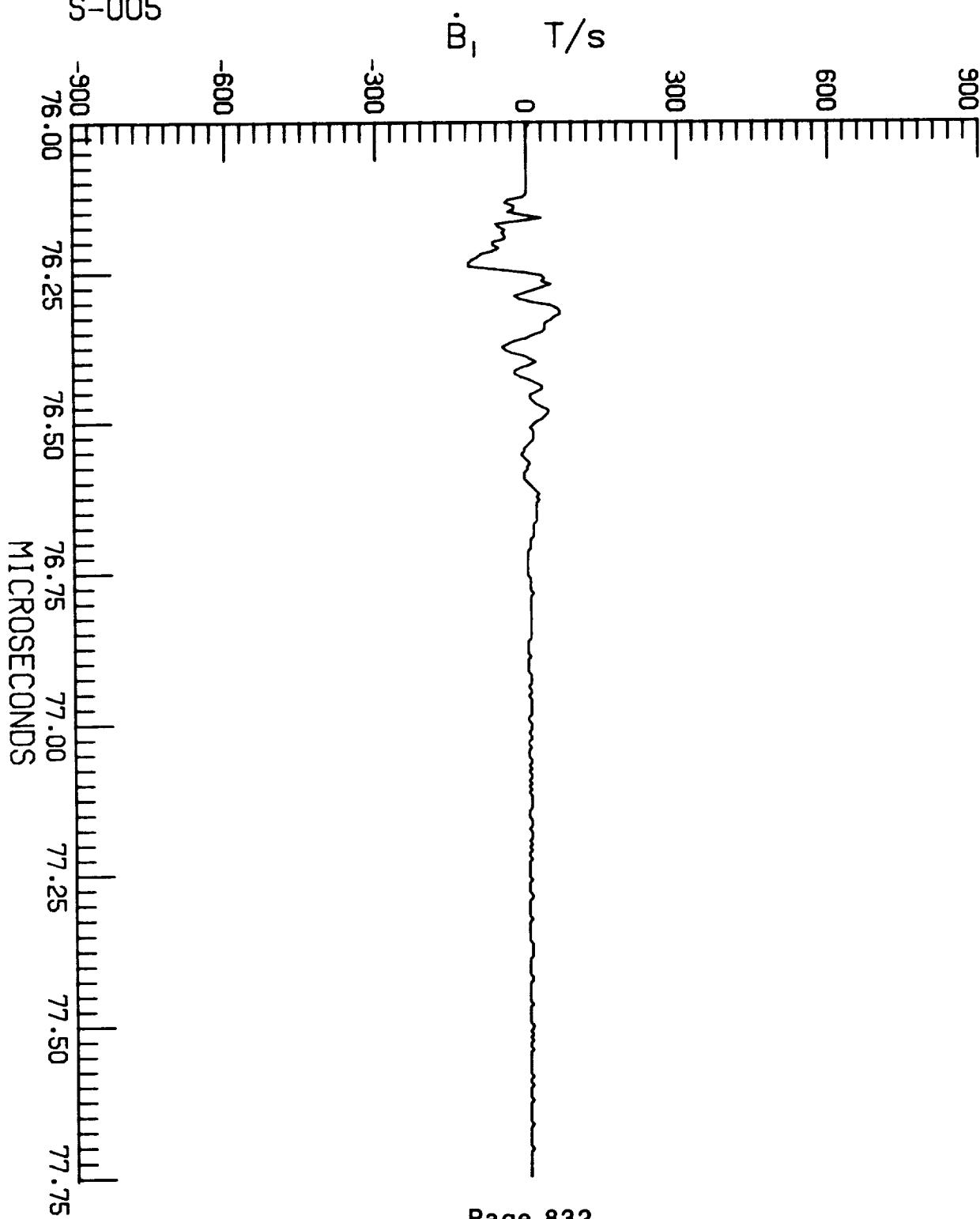


21:13:03.6
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

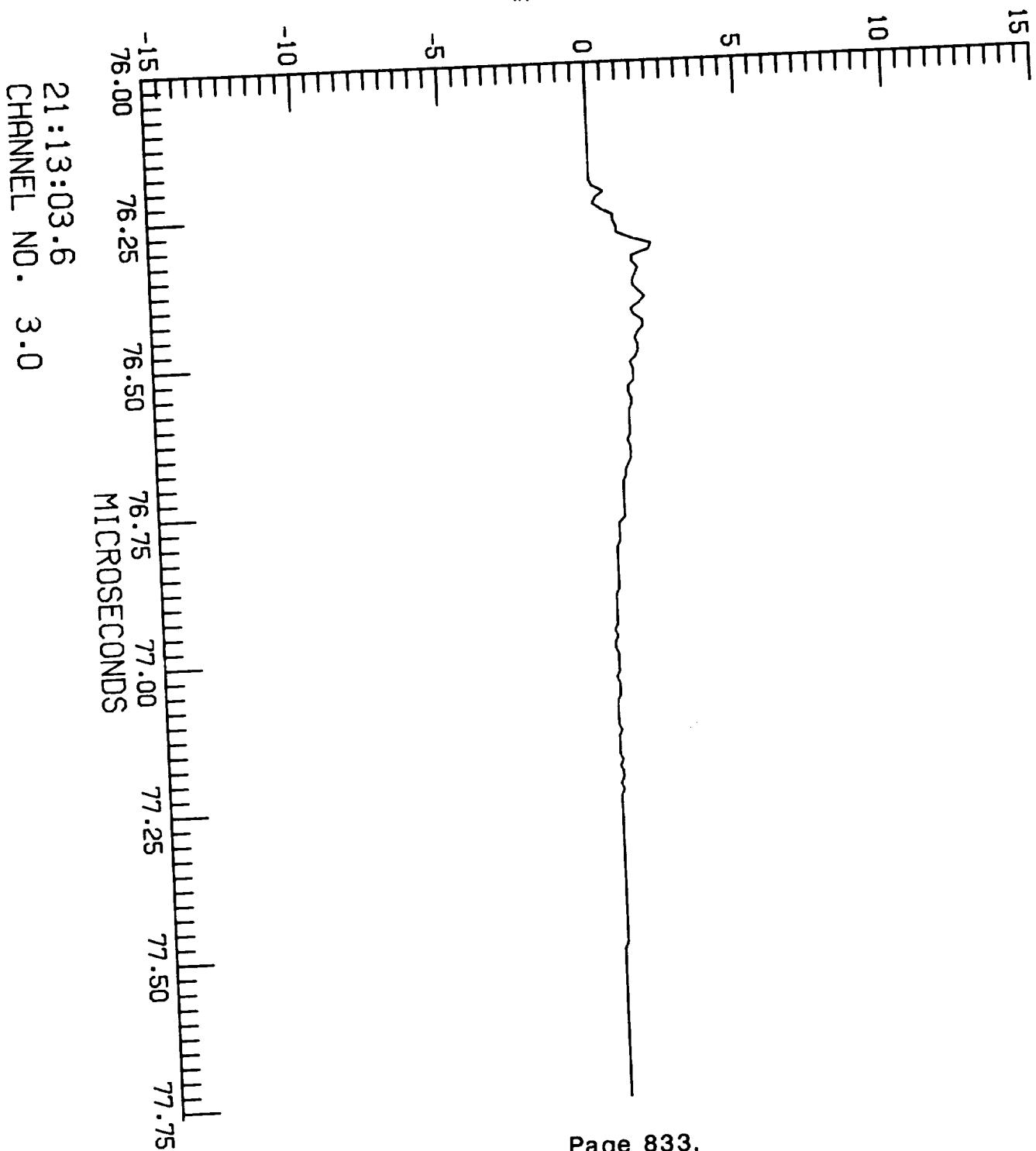
S-005



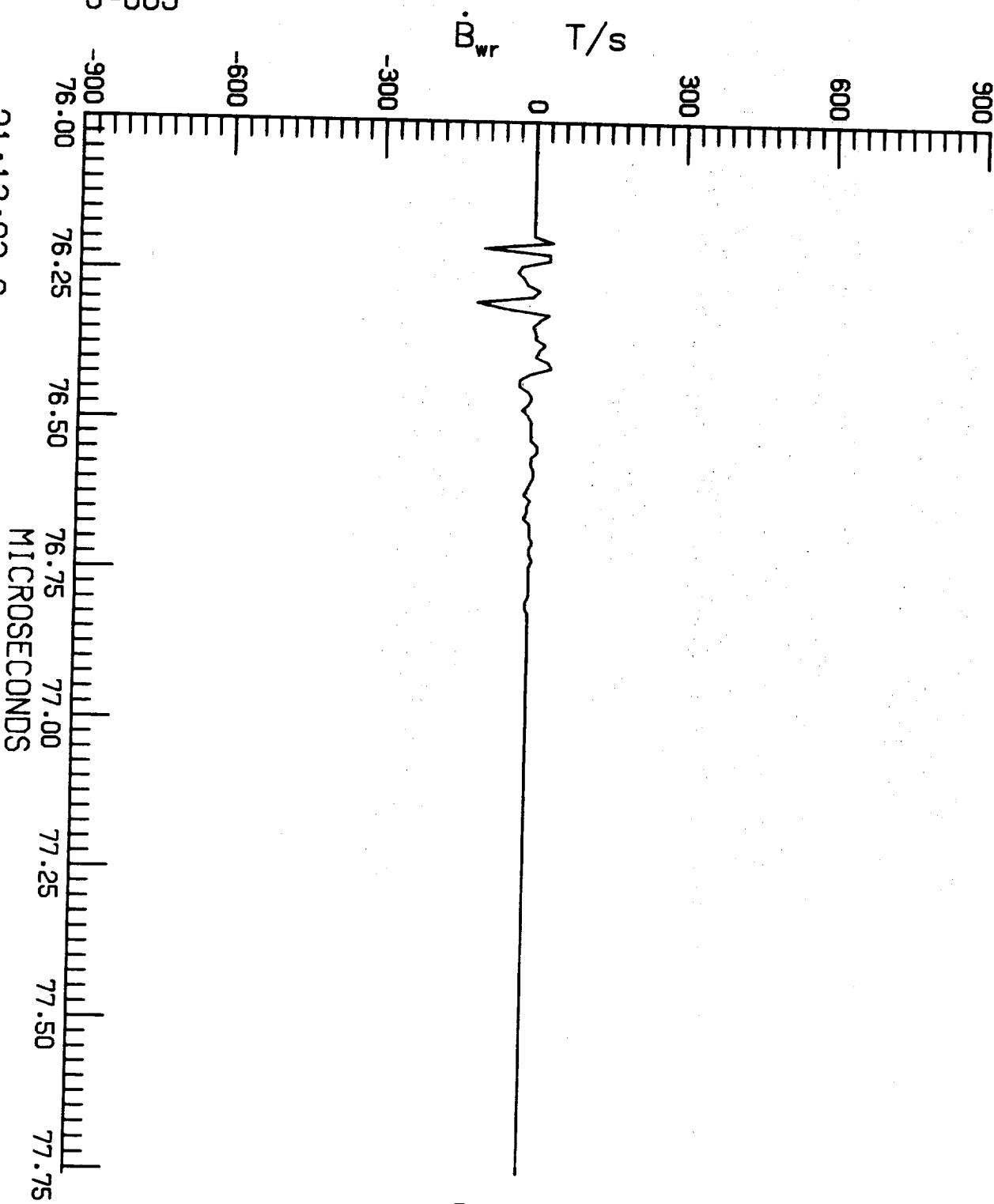
F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²



F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5
S-005



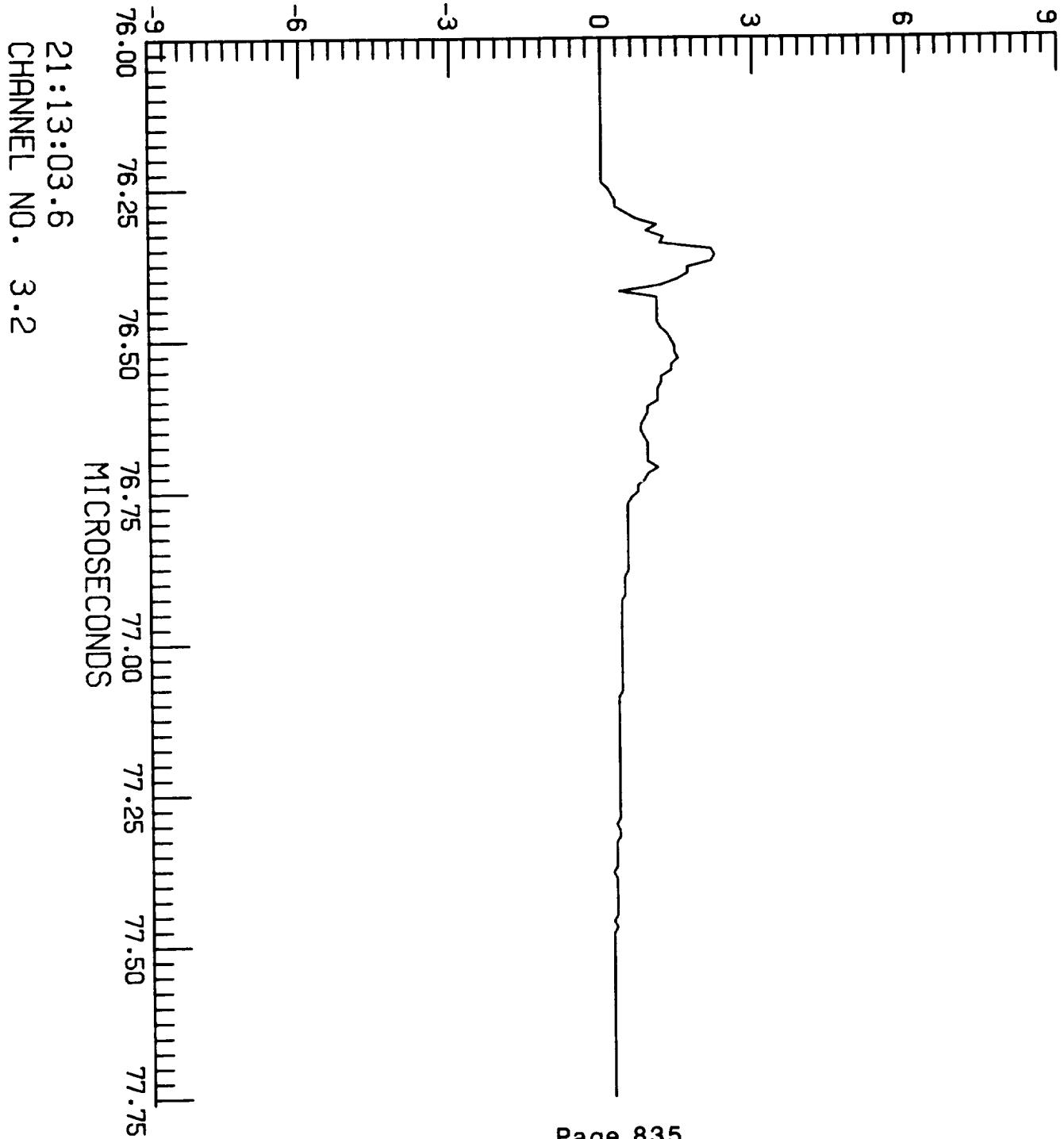
21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²



21:13:03.6
CHANNEL NO. 3.2

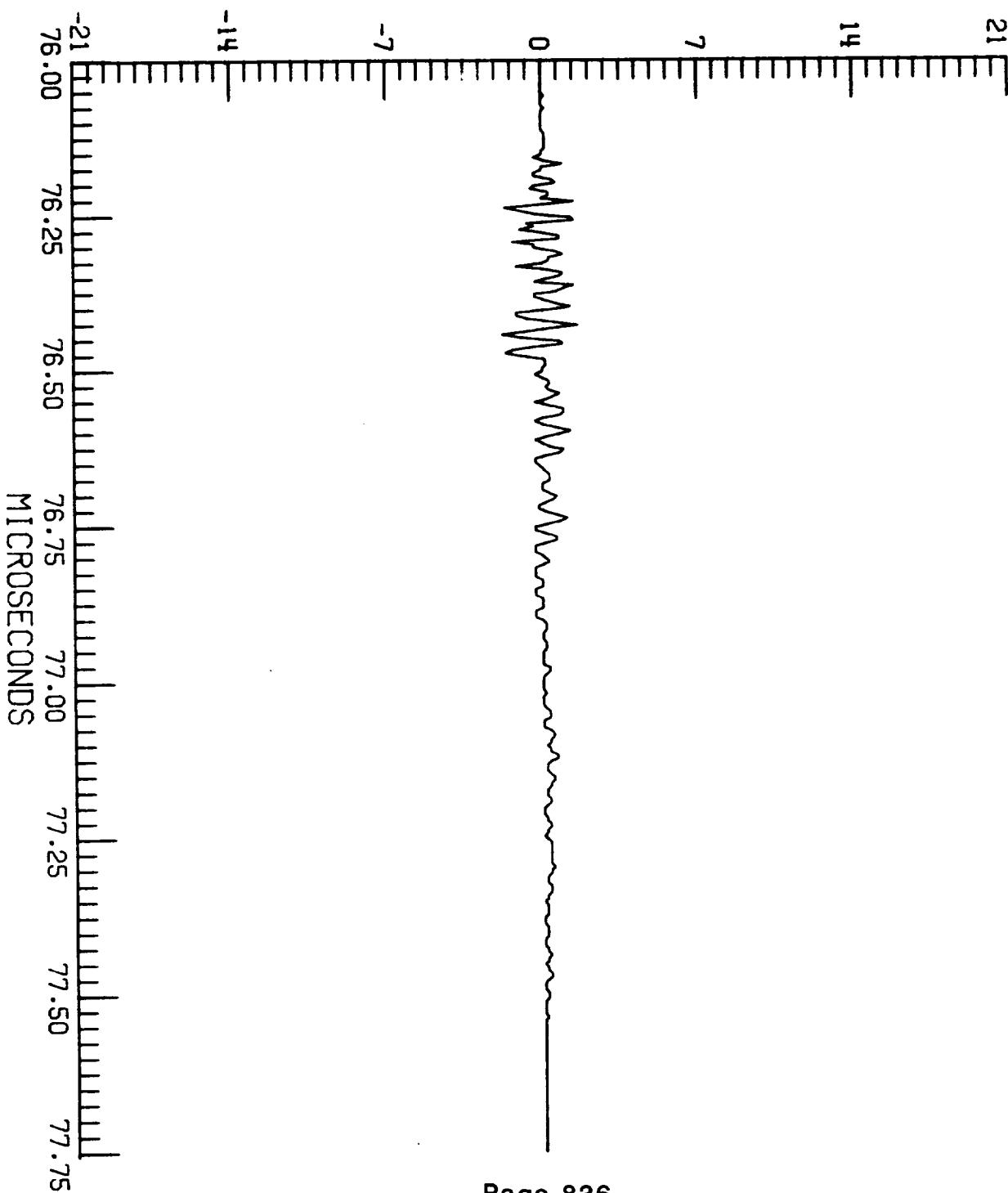
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V



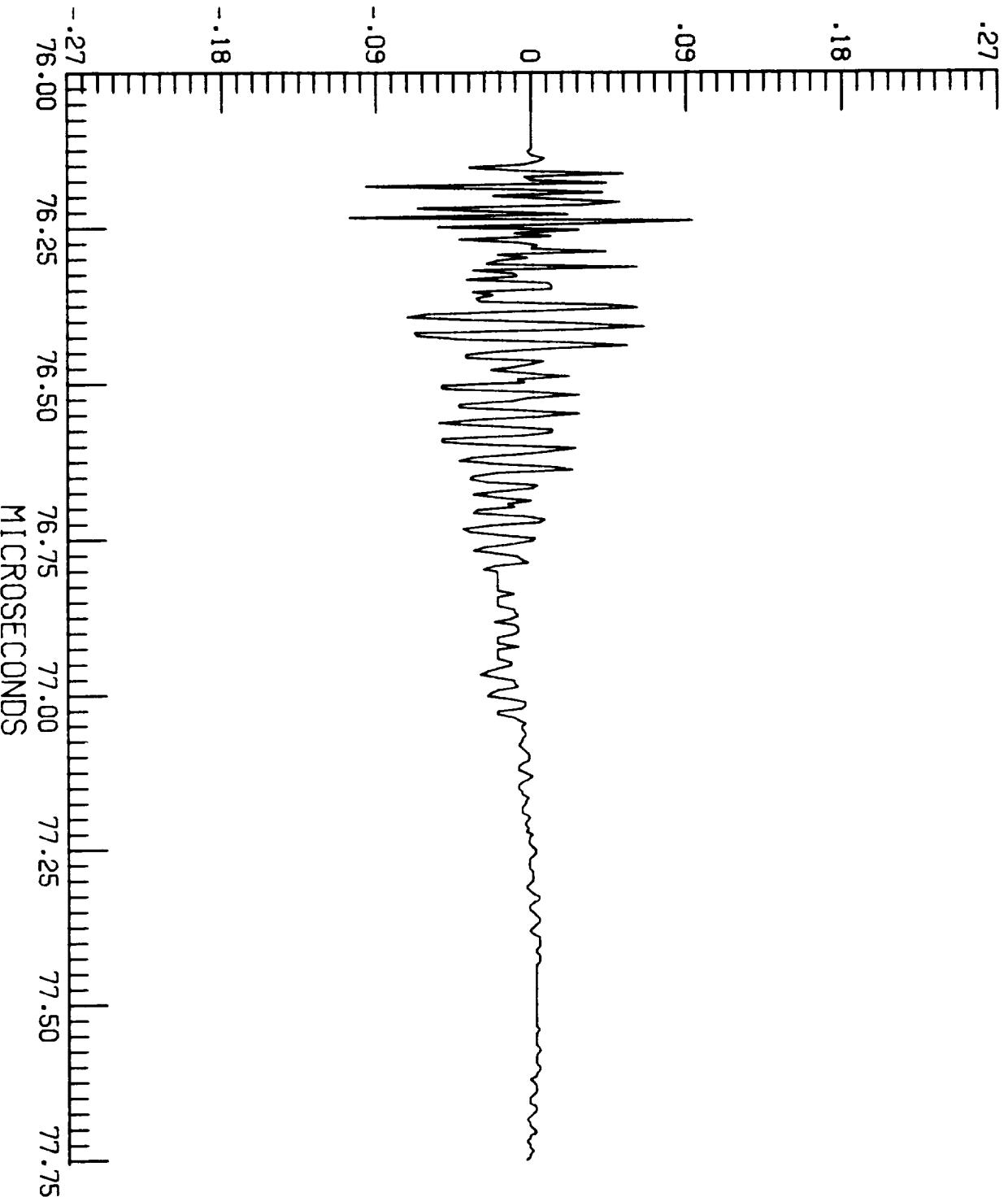
21:13:03.6
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP116 A



21:13:03.6
CHANNEL NO. 4.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP112

A

.09

.18

.27

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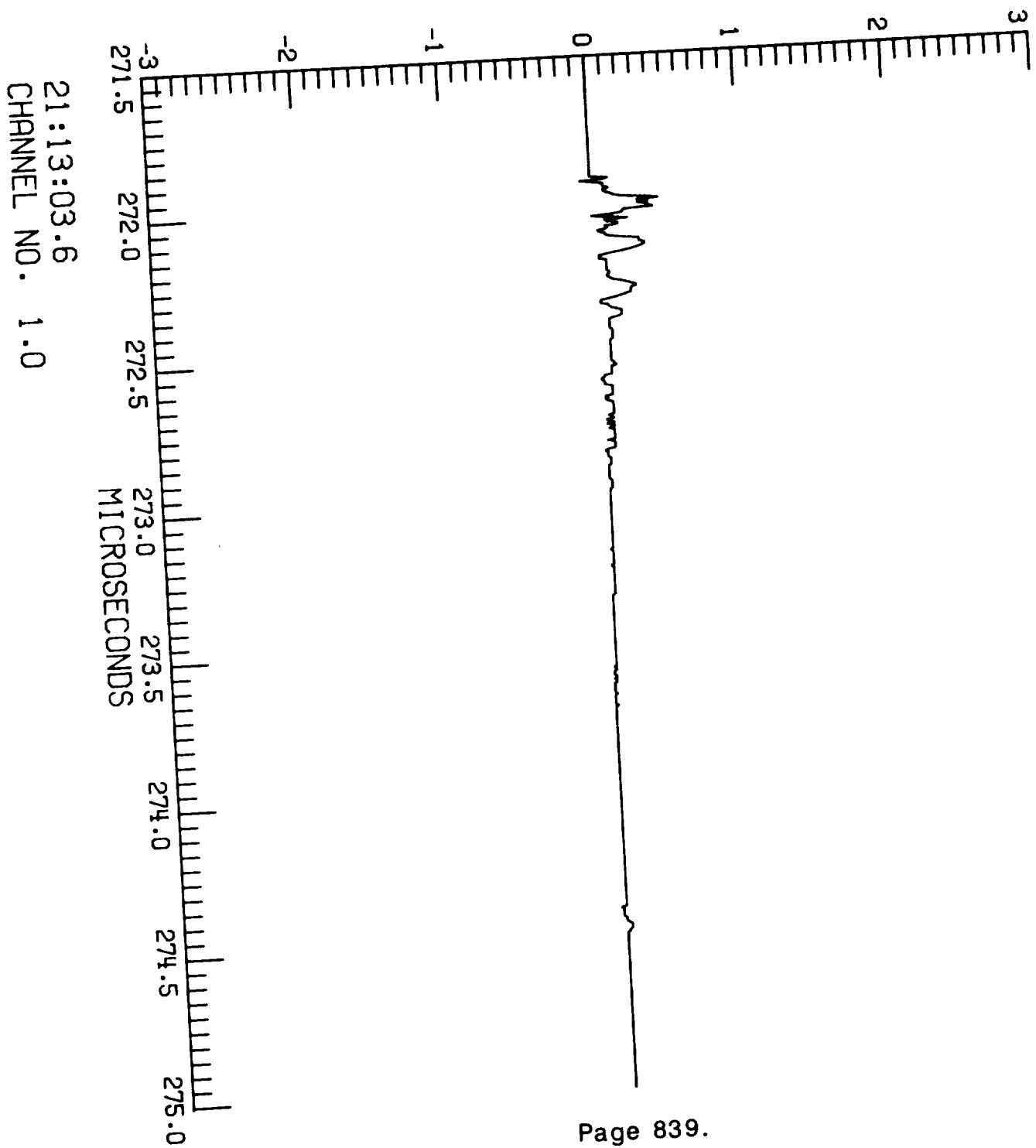


21:13:03.6
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 5

S-005

\dot{D}_t A/m²

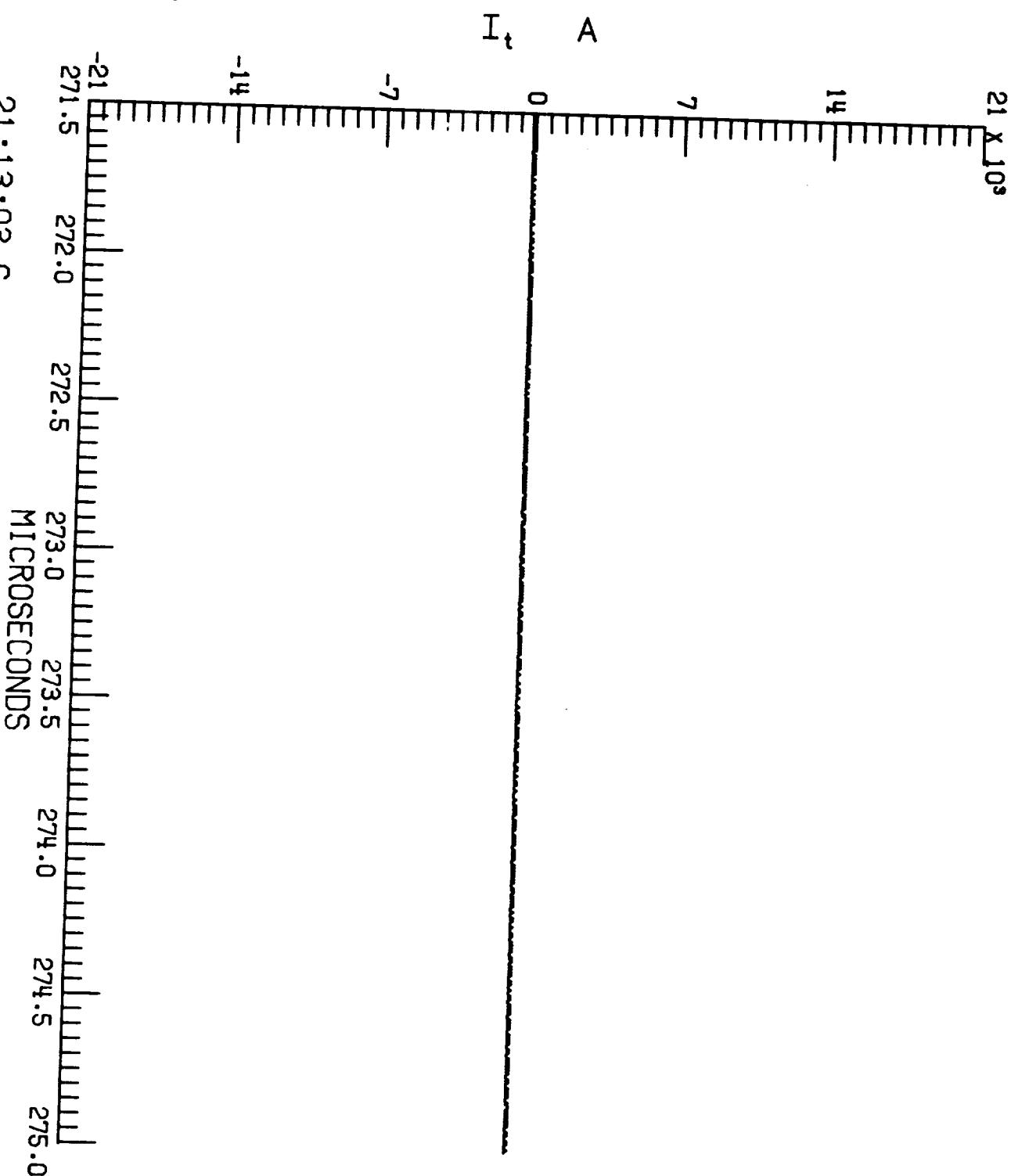


21:13:03.6
CHANNEL NO. 1.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 5

S-005

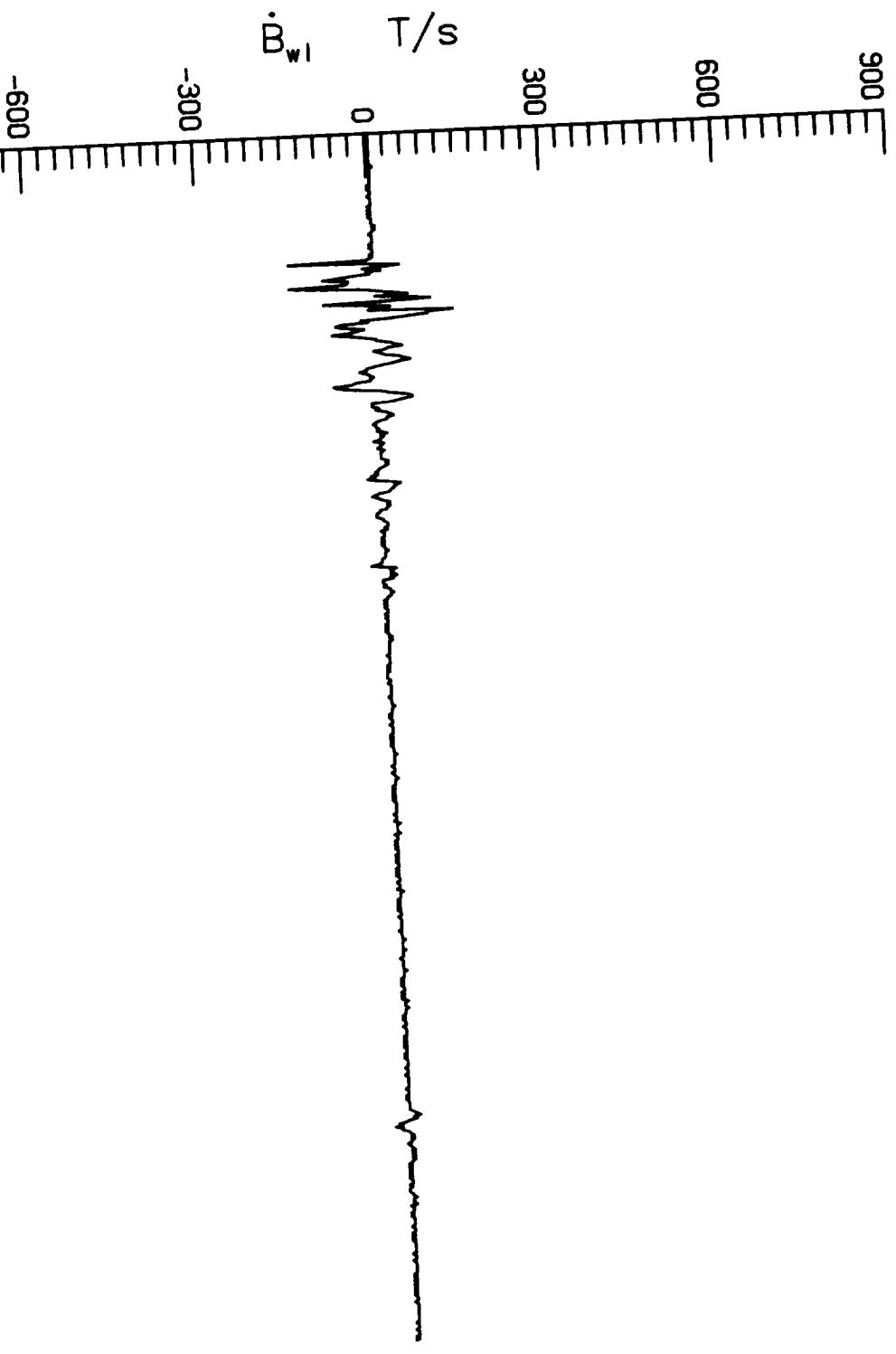


21:13:03.6
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 2 RUN NO. 5

S-005

-900
271.5 272.0 272.5 273.0 273.5 274.0 274.5 275.0
MICROSECONDS



21:13:03.6
CHANNEL NO. 2.0

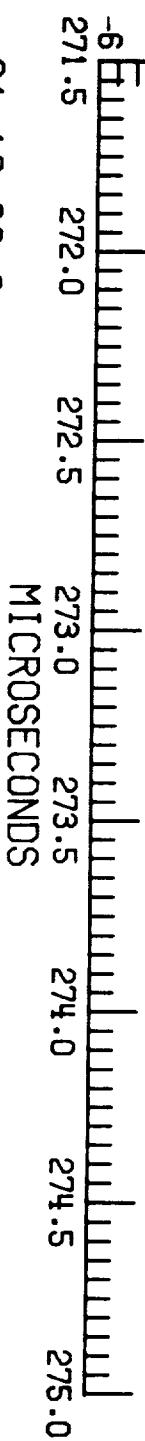
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 5

S-005

I A/s

$\times 10^{10}$



21:13:03.6
CHANNEL NO. 2.1

F106 LIGHTNING/85-035/ZAEPFEL

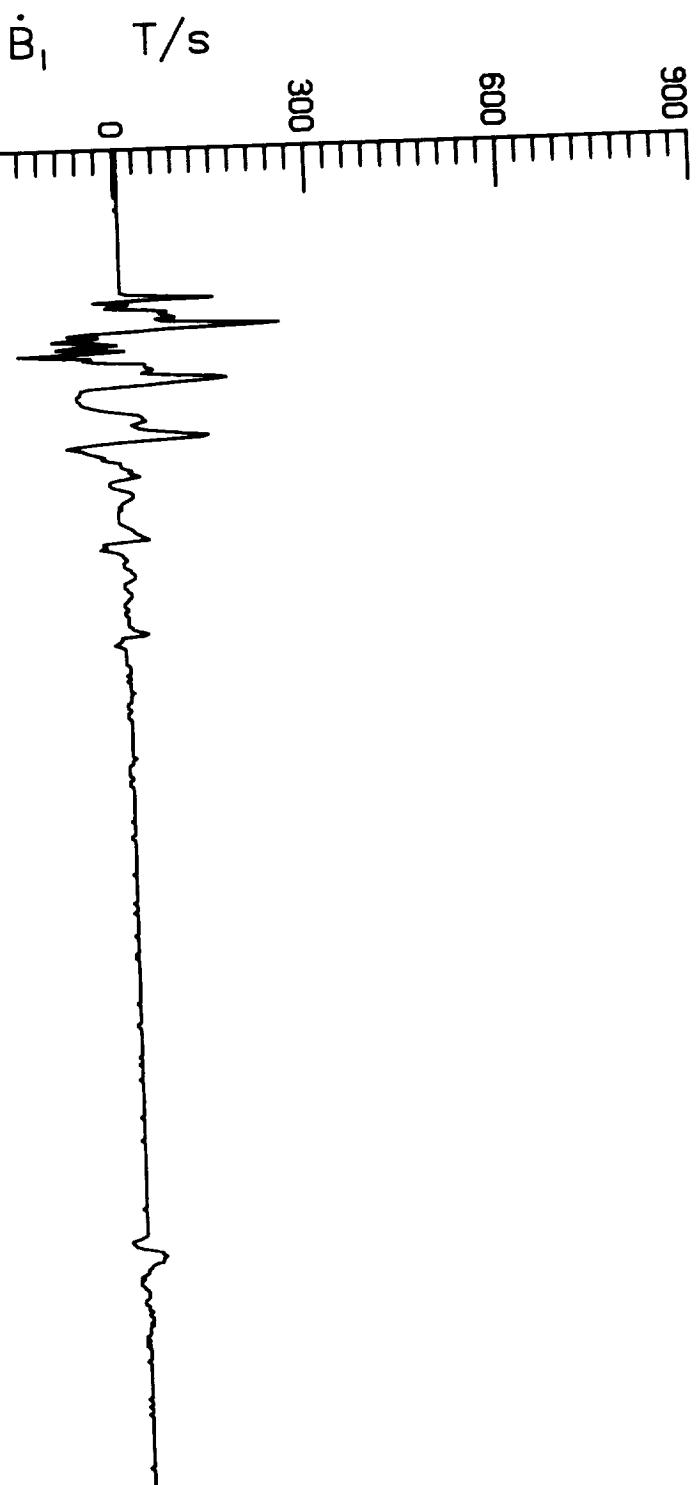
LEC 2 RUN NO. 5

S-005

-900
-600
-300
0
300
600
900

271.5 272.0 272.5 273.0 273.5 274.0 274.5 275.0

MICROSECONDS

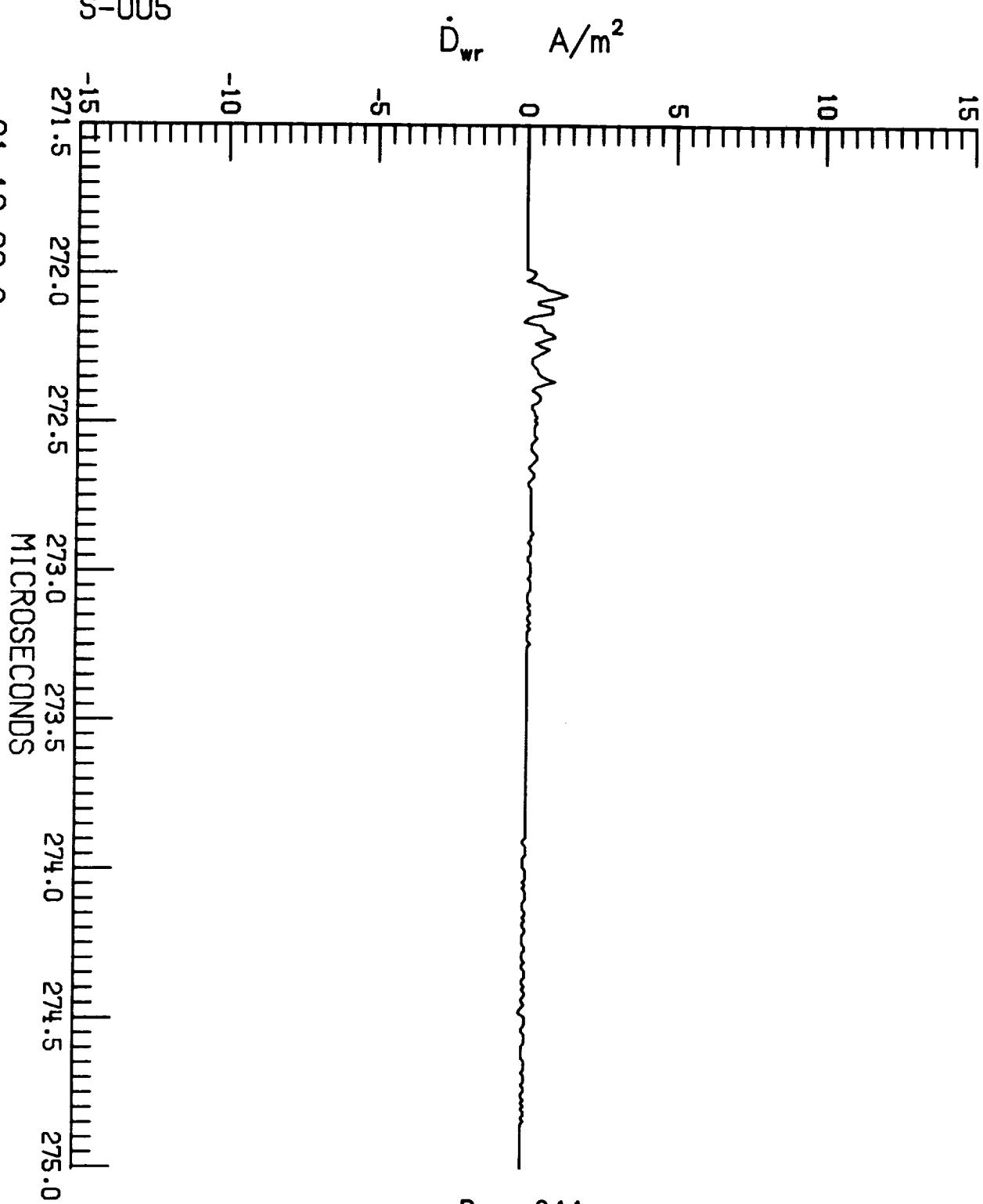


21:13:03.6
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

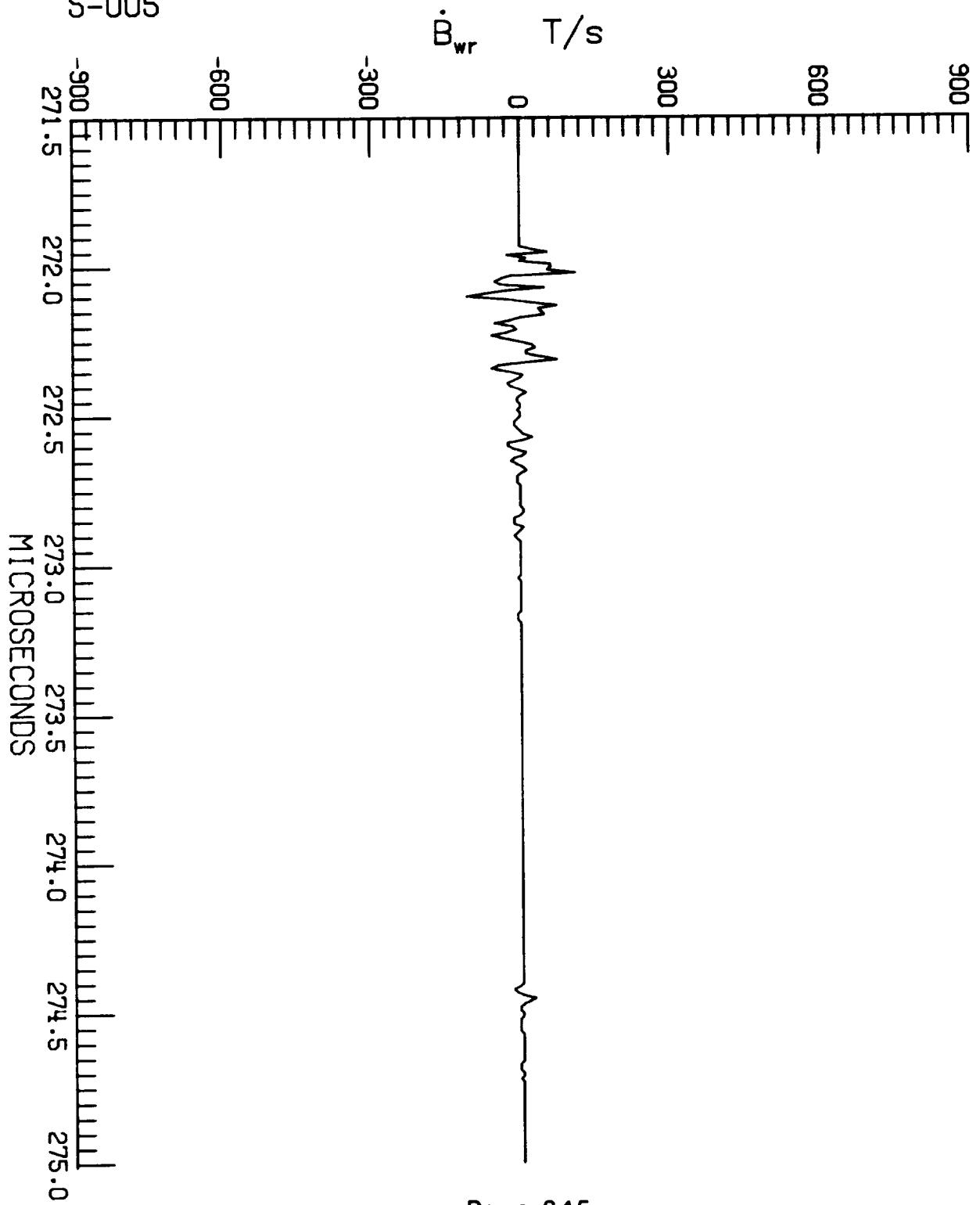


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005



-900
271.5 272.0 272.5 273.0 273.5 274.0 274.5 275.0
MICROSECONDS

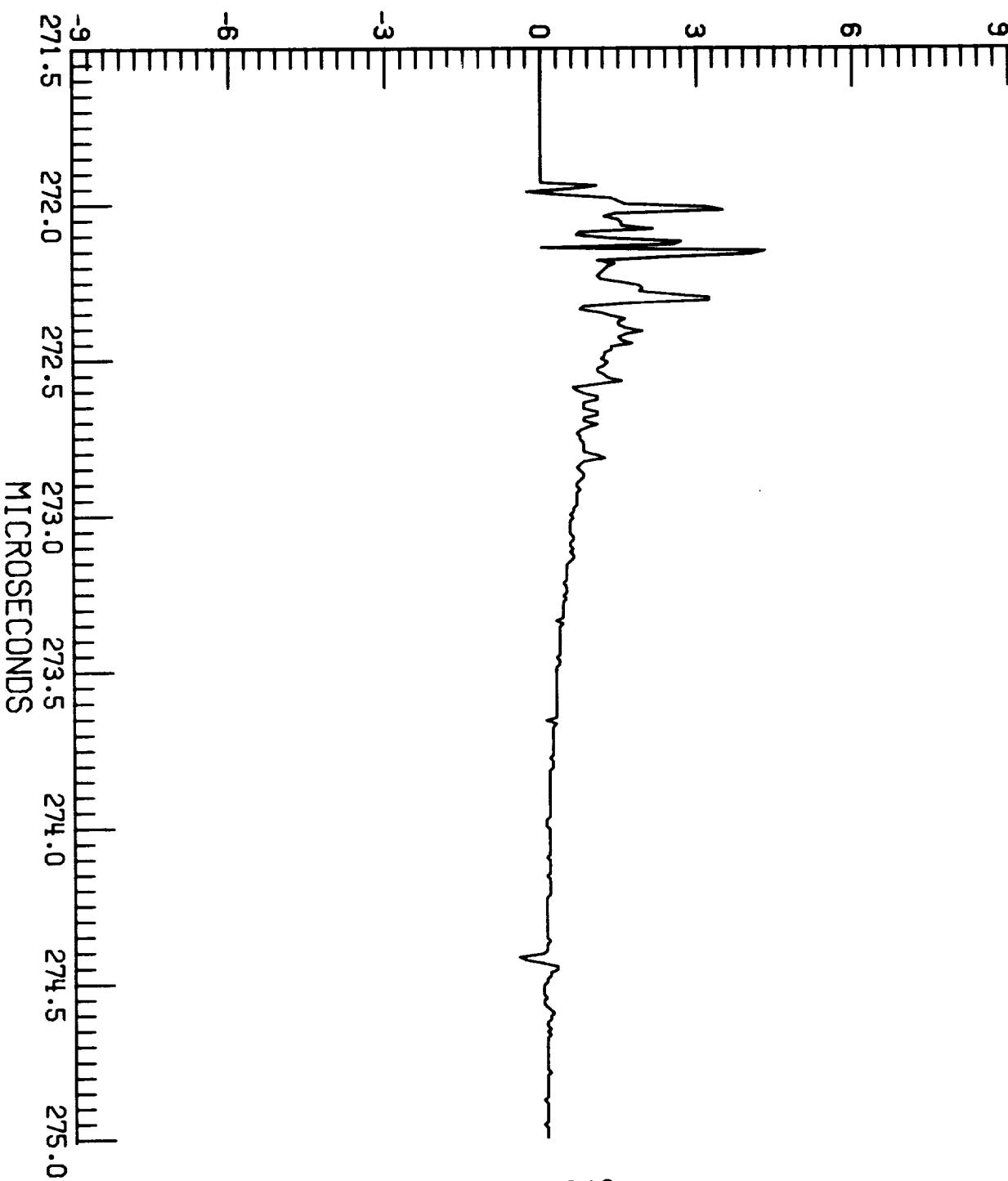
21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_t A/m²



21:13:03.6
CHANNEL NO. 3.2

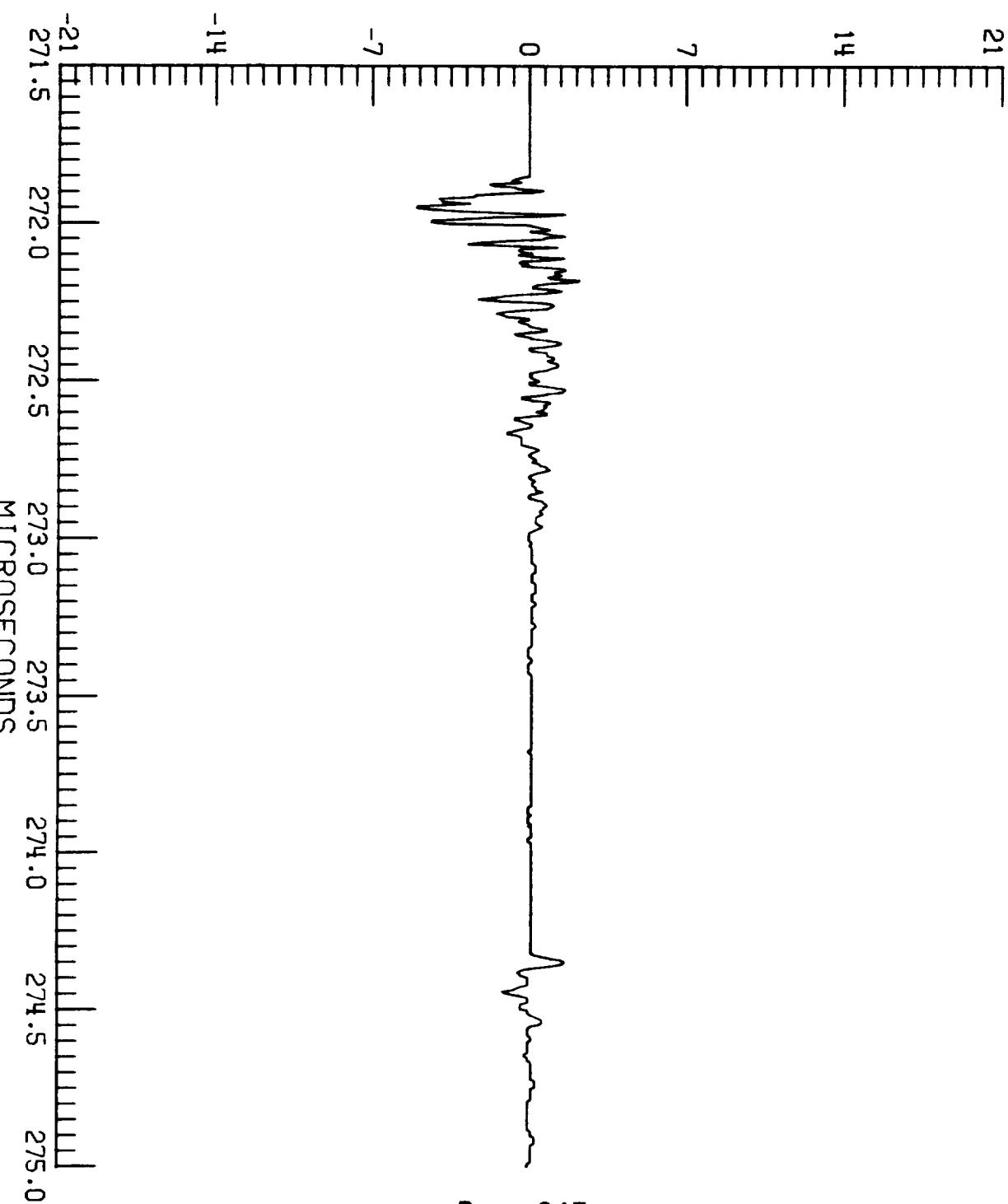
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP101

V



21 : 13 : 03 . 6
CHANNEL NO. 4 . 0

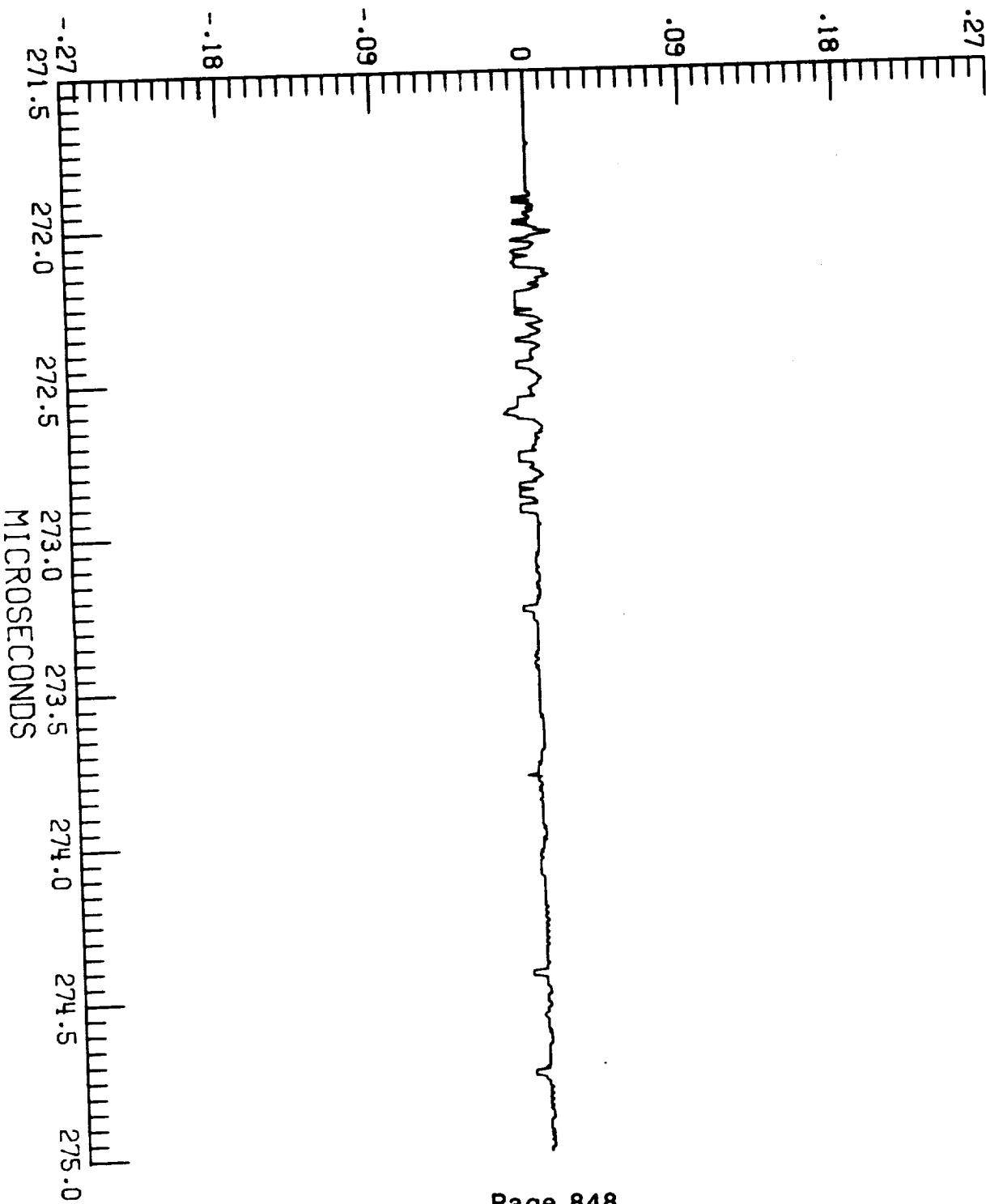
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP116

A



21:13:03.6
CHANNEL NO. 4.1

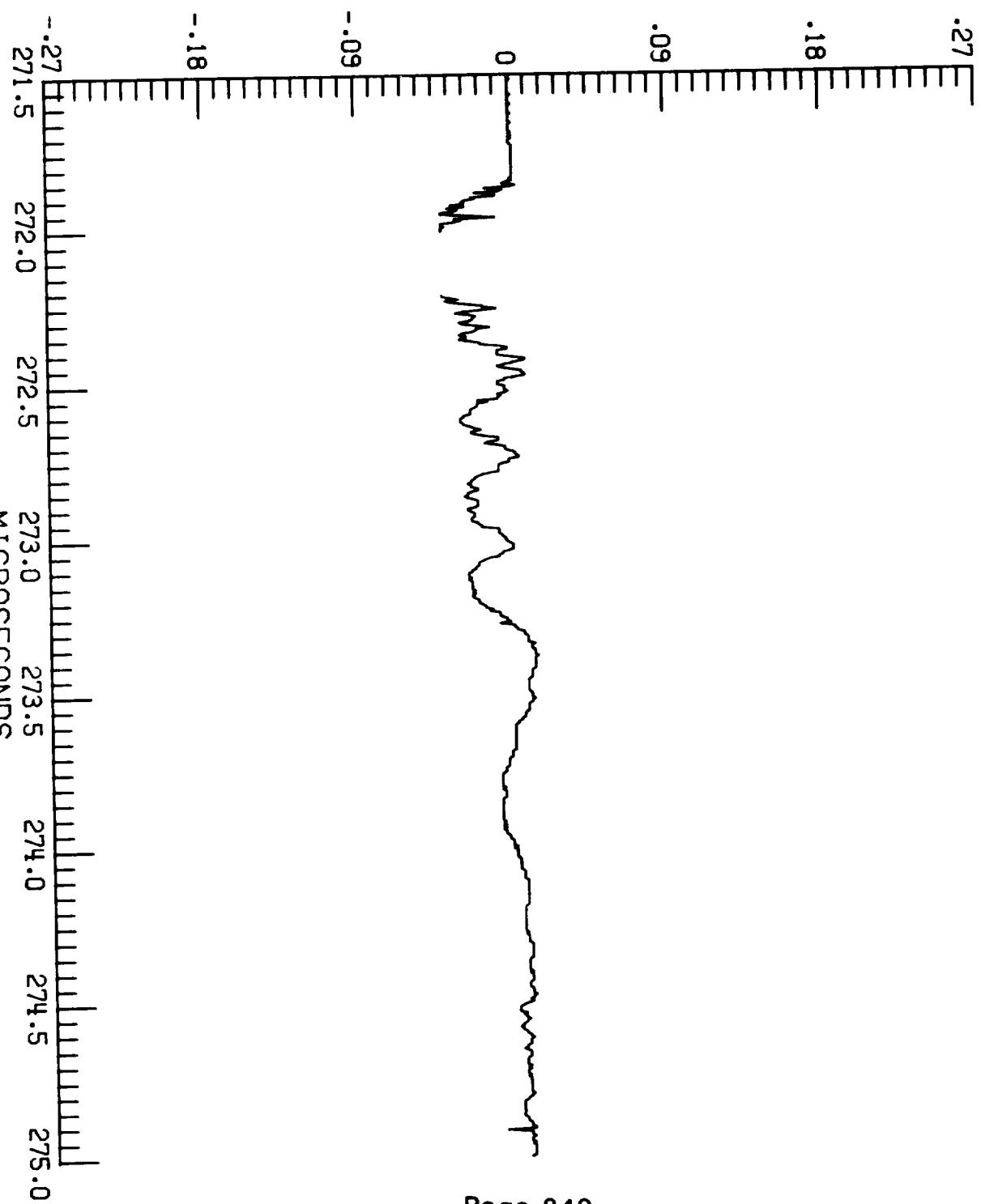
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 5

S-005

TP112

A



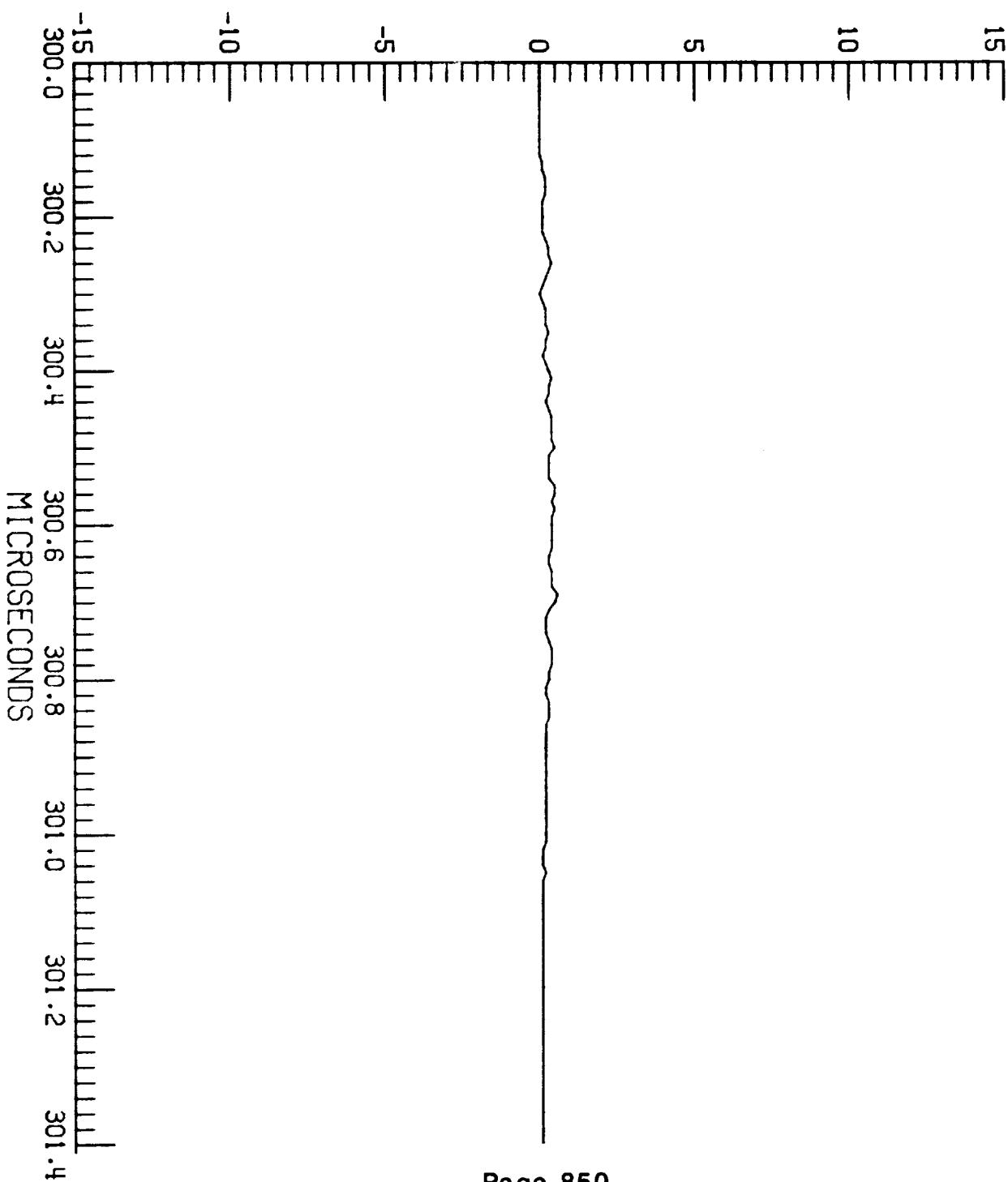
21:13:03.6
CHANNEL NO. 4.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²

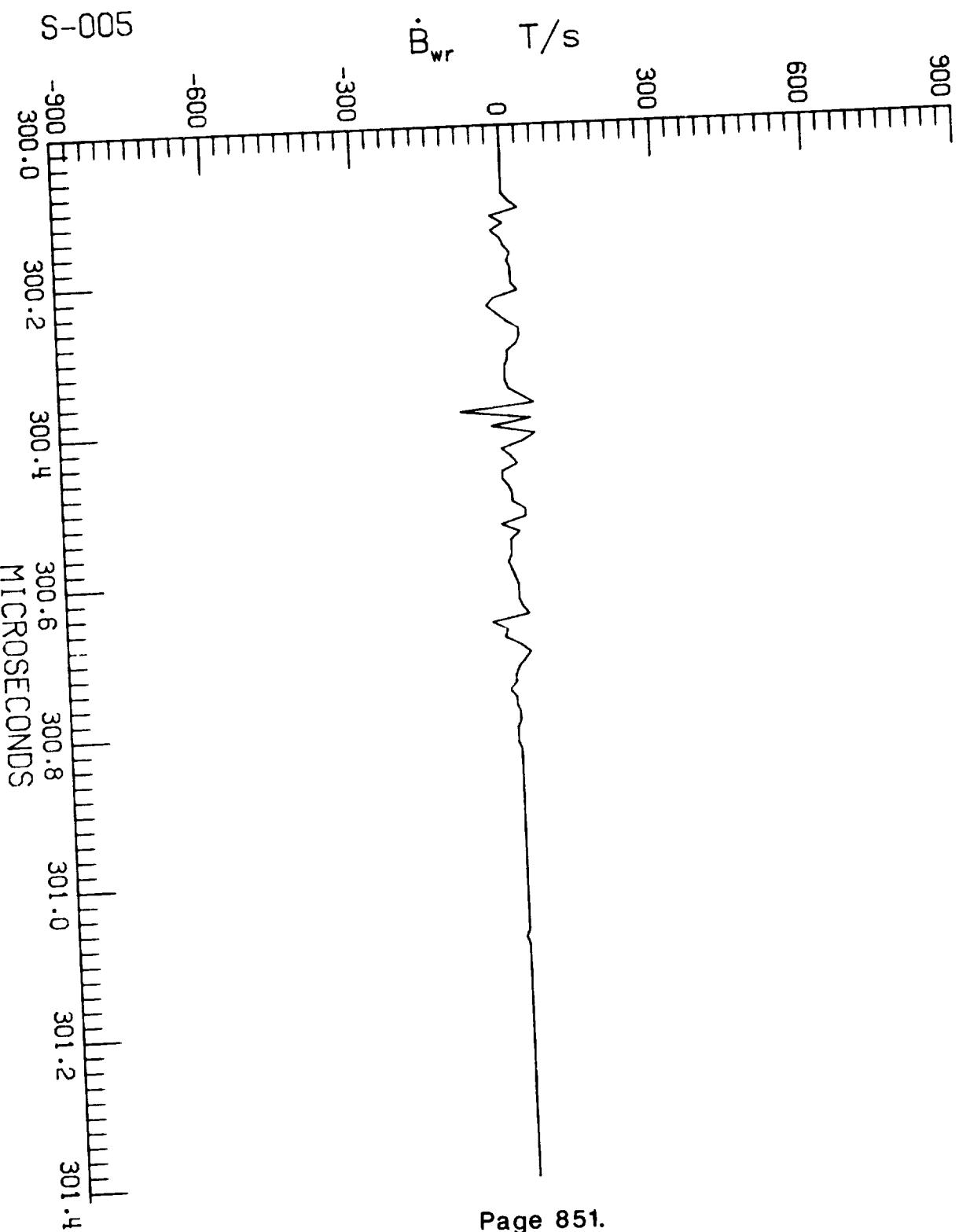


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005



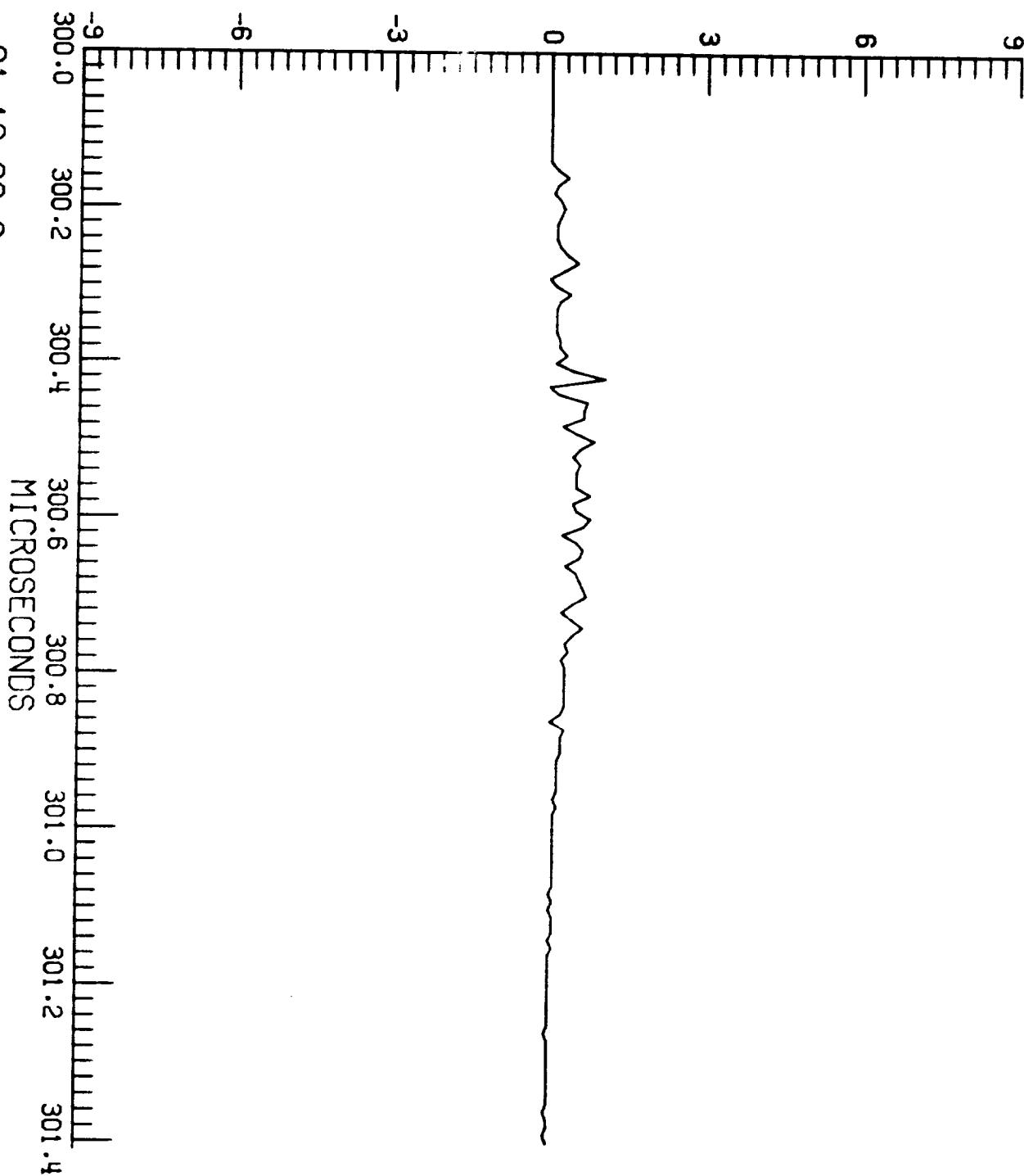
21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²

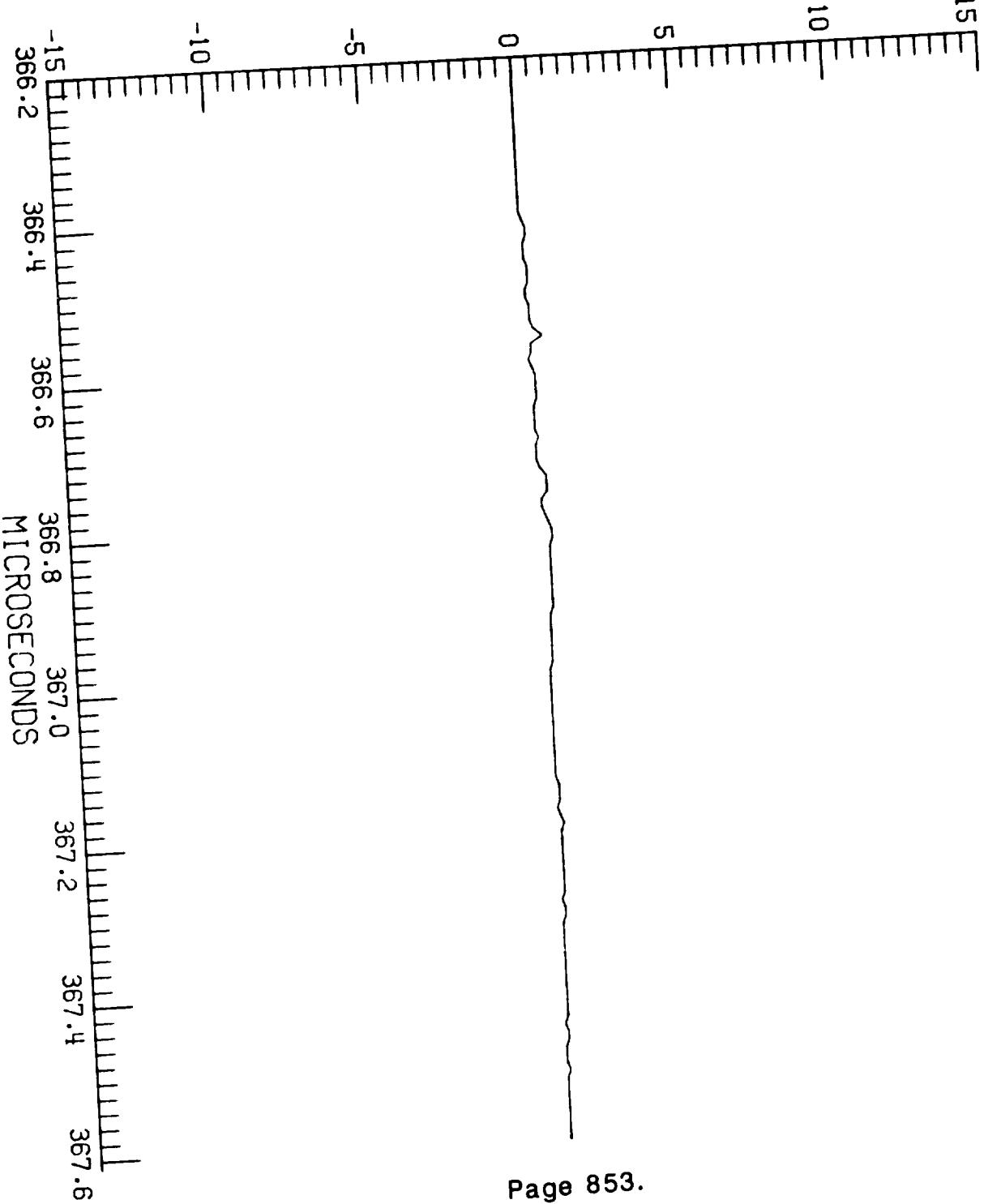


21:13:03.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5

S-005

\dot{D}_{wr} A/m²

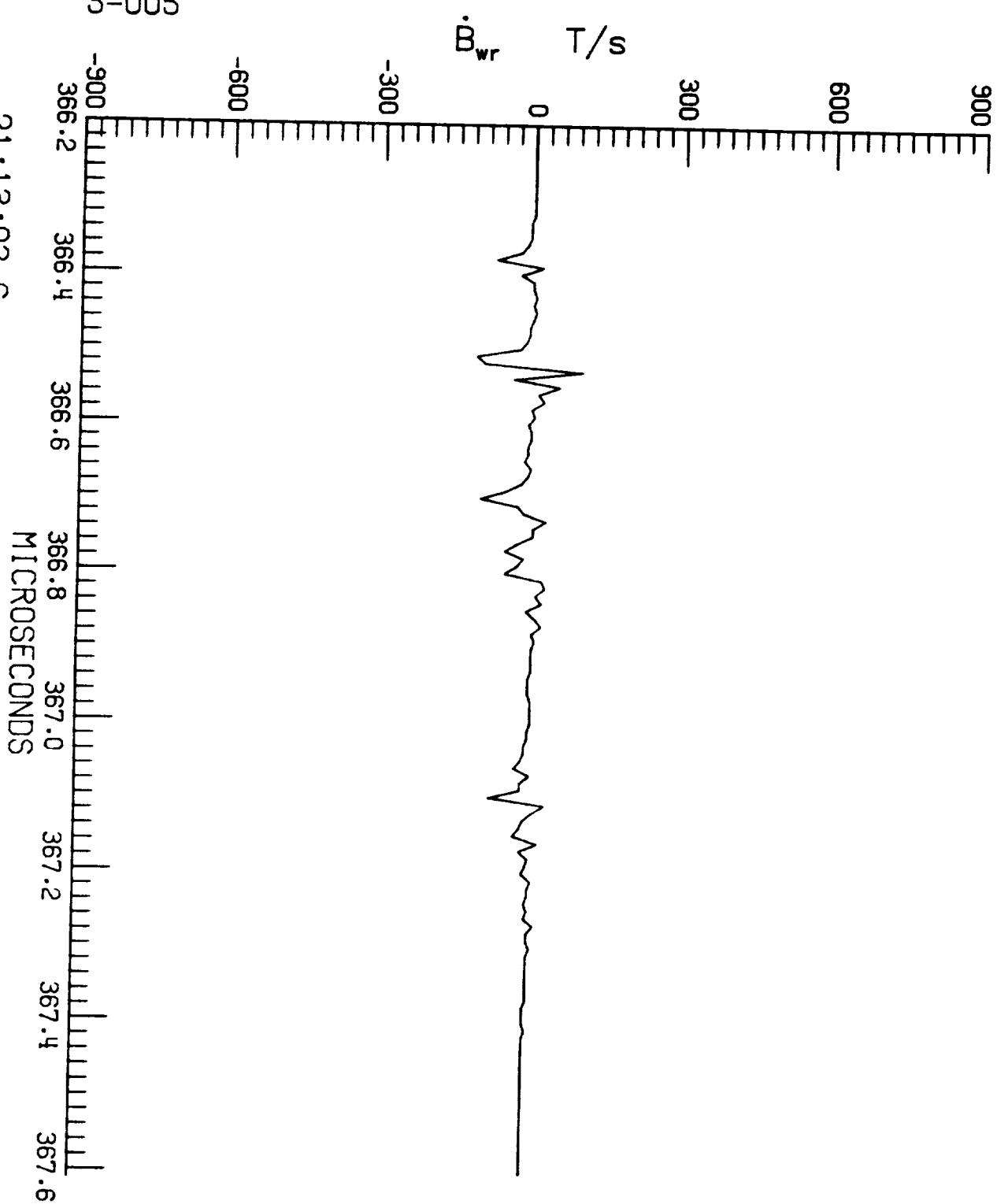


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005



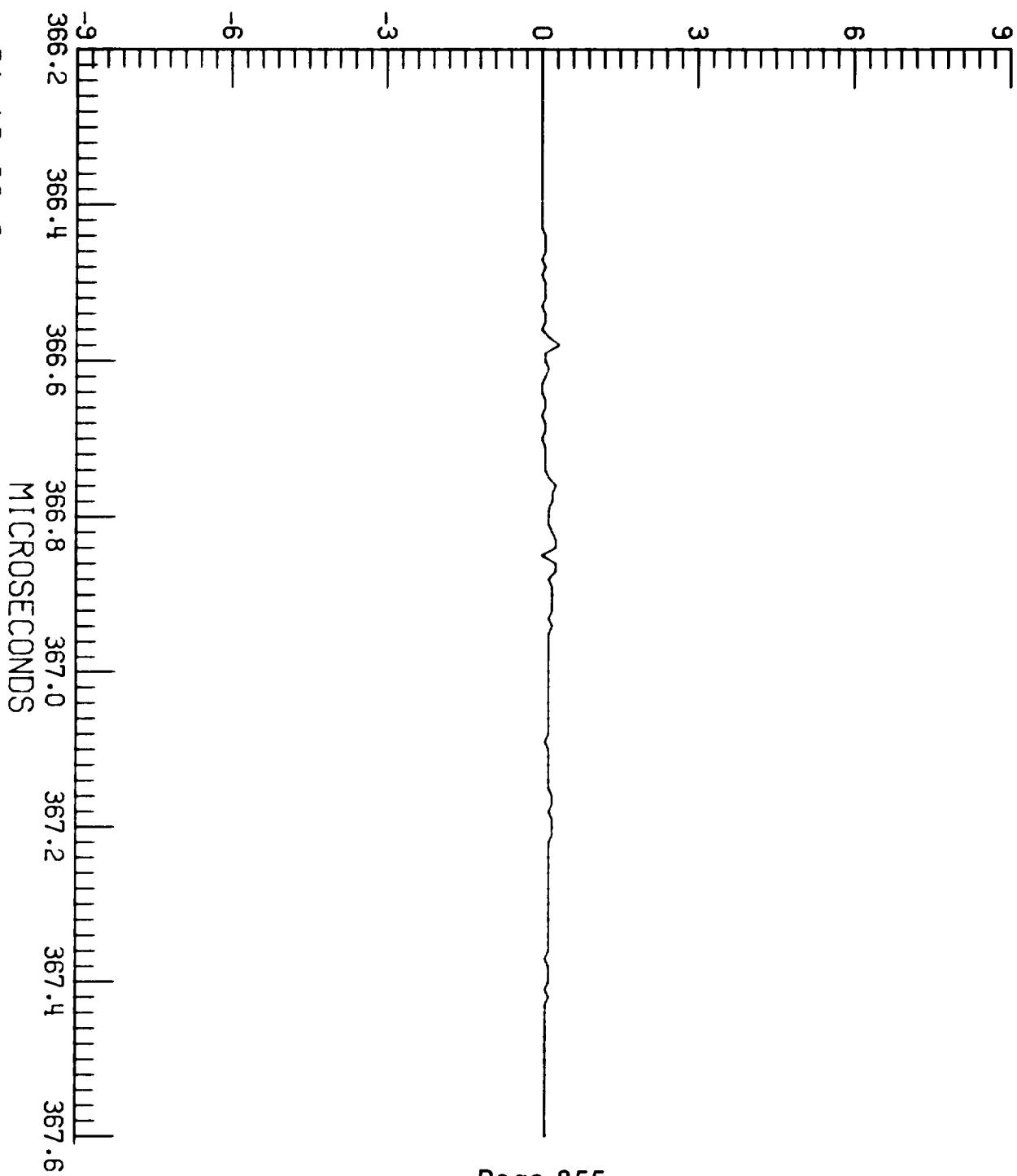
21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

D_f A/m²



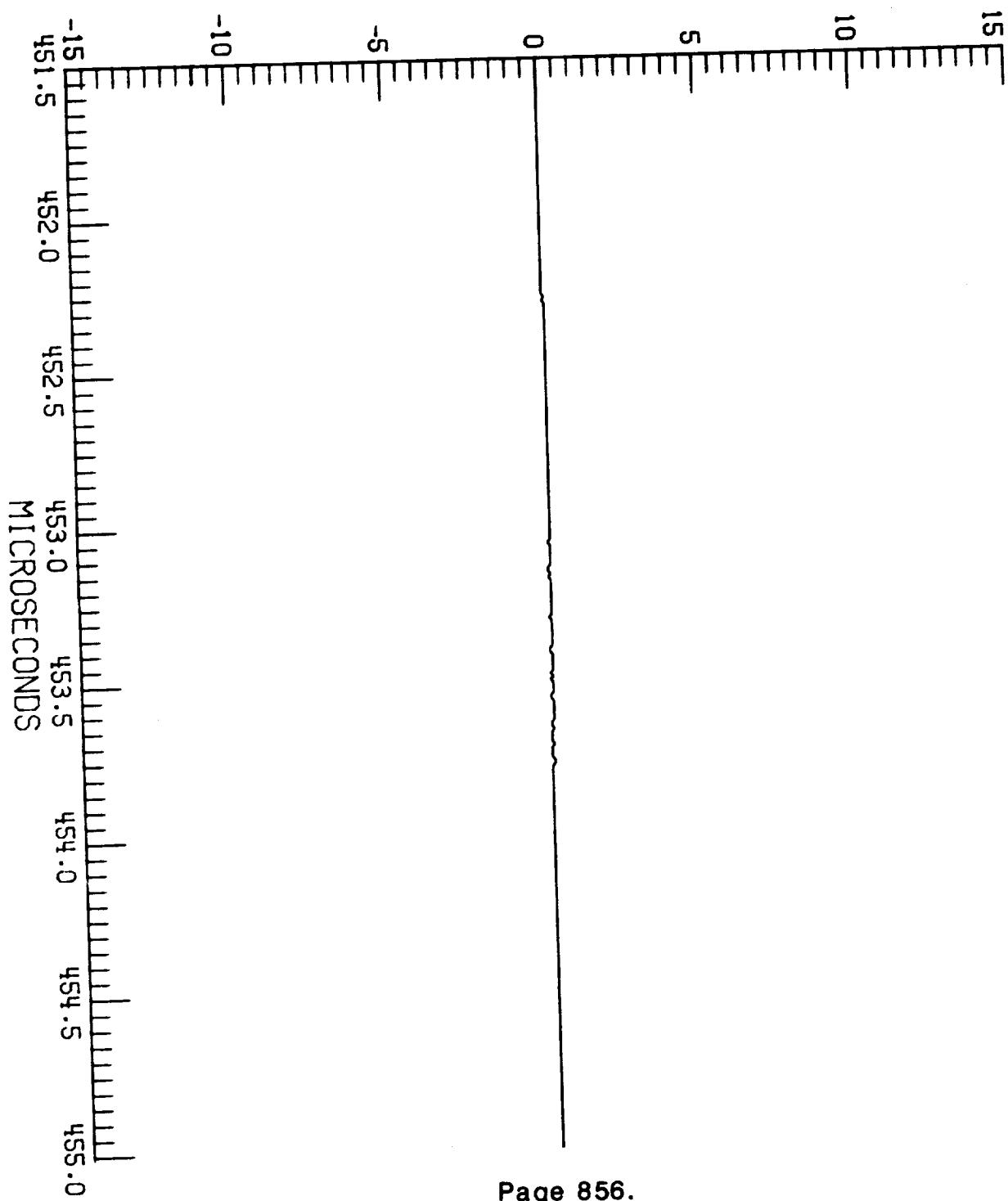
21:13:03.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

D_{wr} A/m²

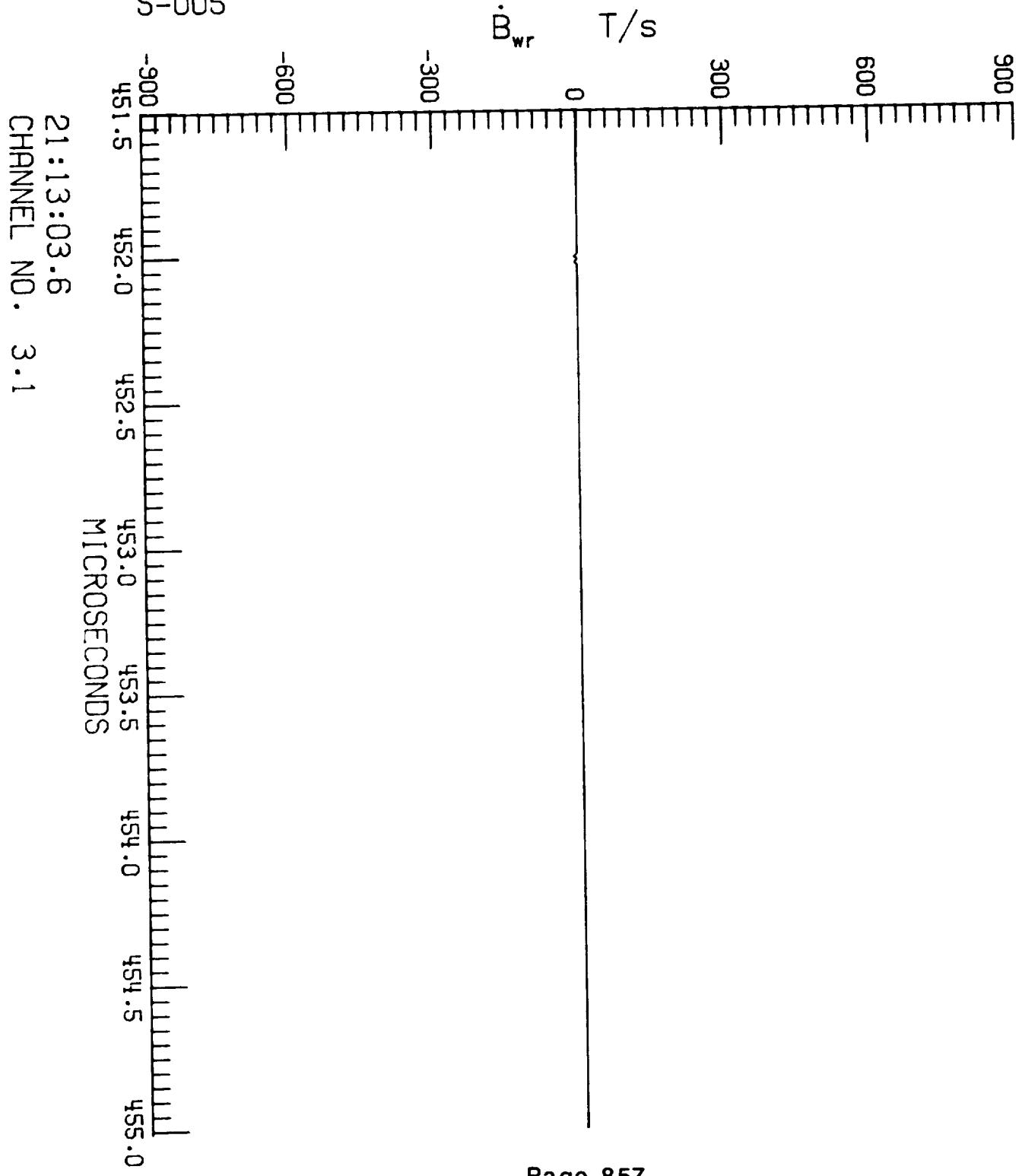


21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005



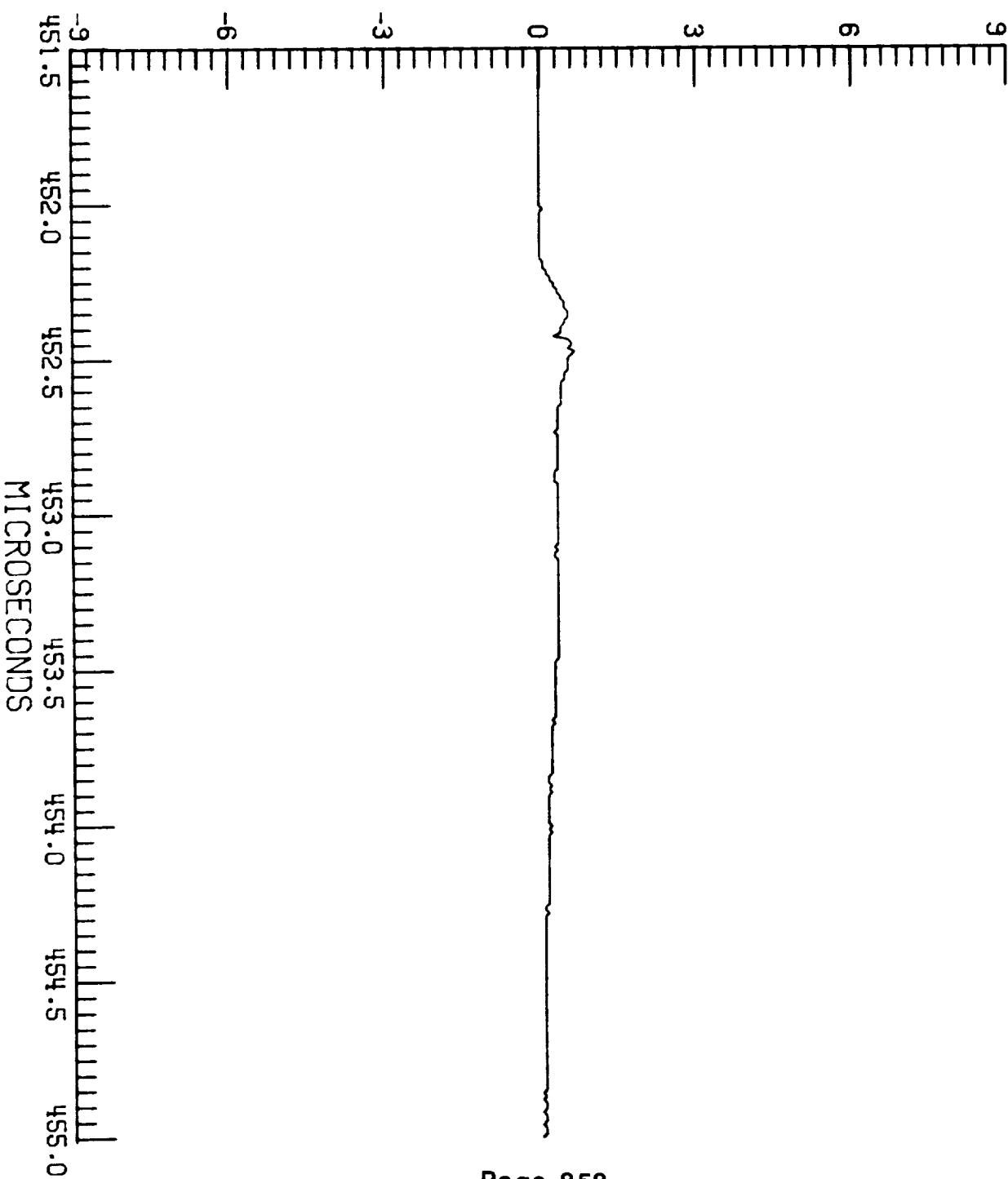
21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 5

S-005

\dot{D}_f A/m²

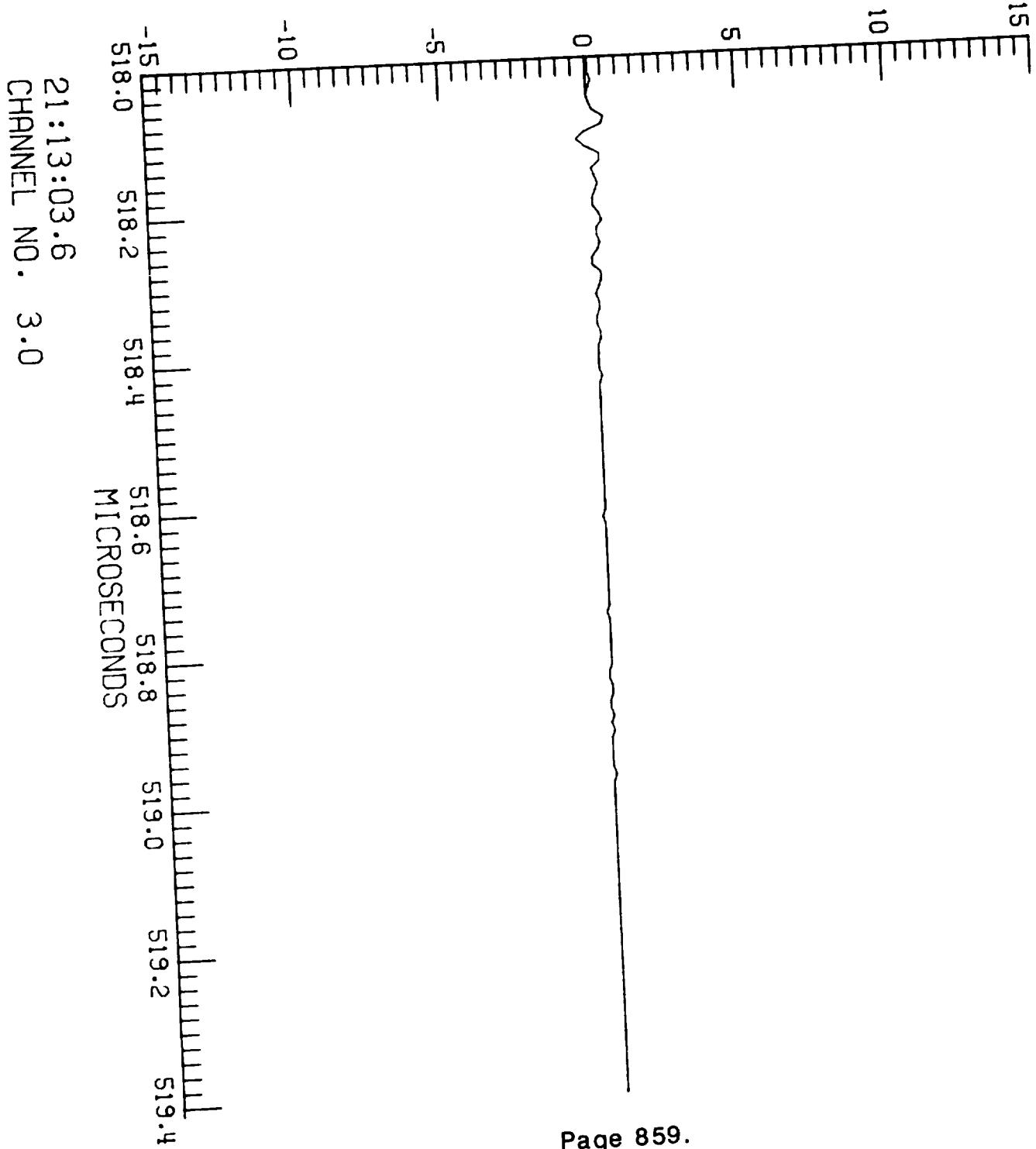


21:13:03.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5

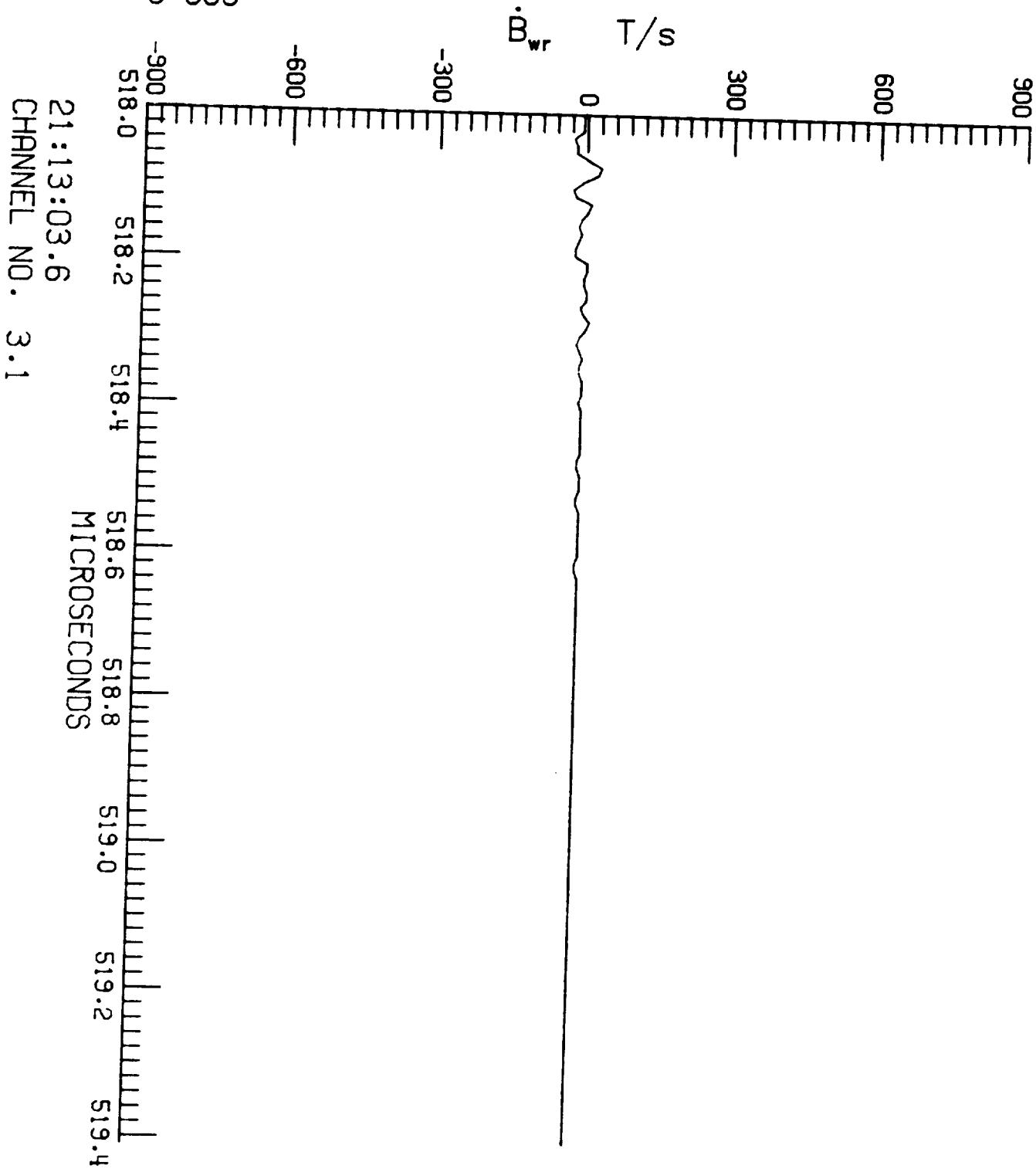
S-005

\dot{D}_{wr} A/m²



21:13:03.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5
S-005

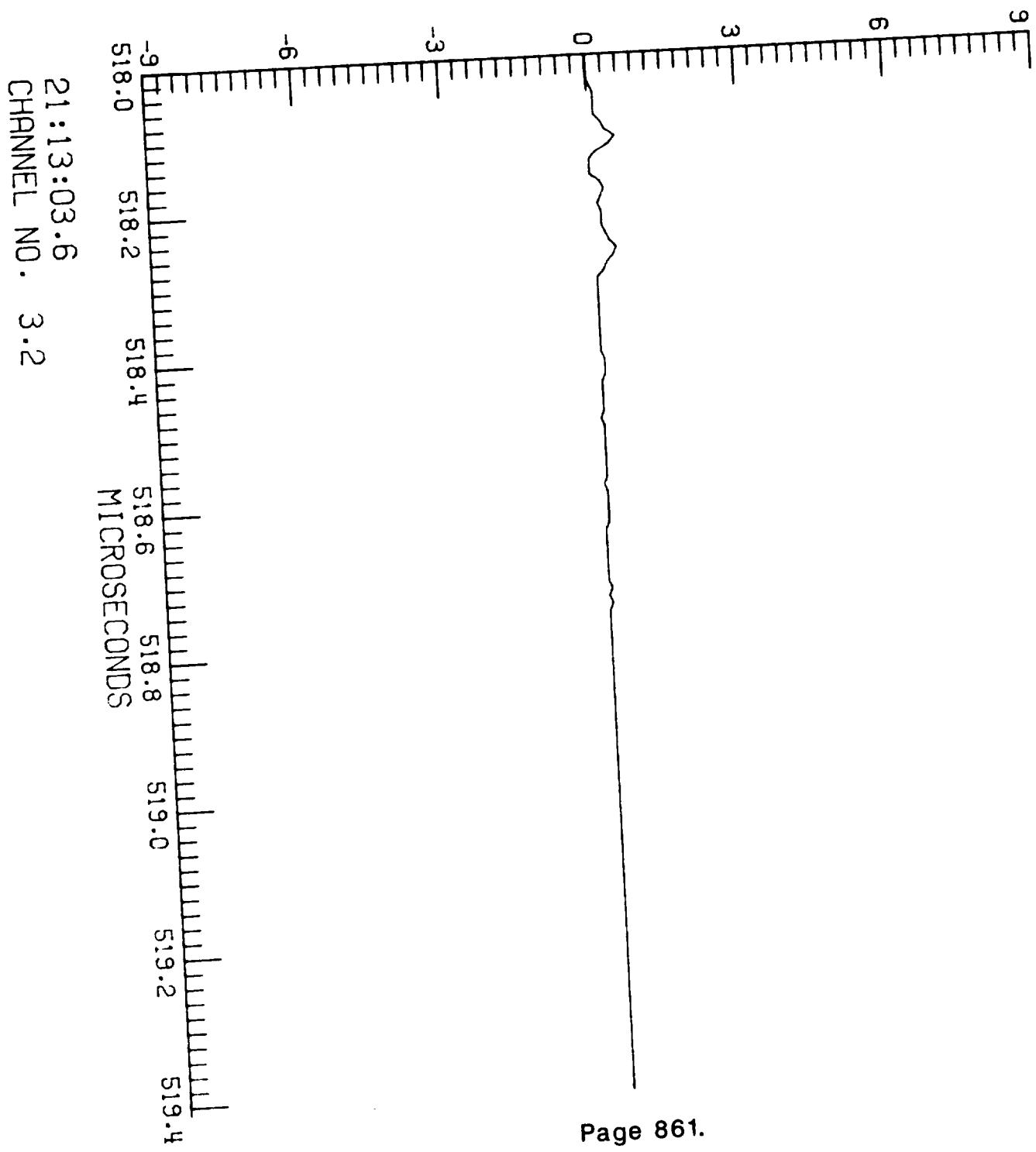


21:13:03.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL
LEC 3 RUN NO. 5

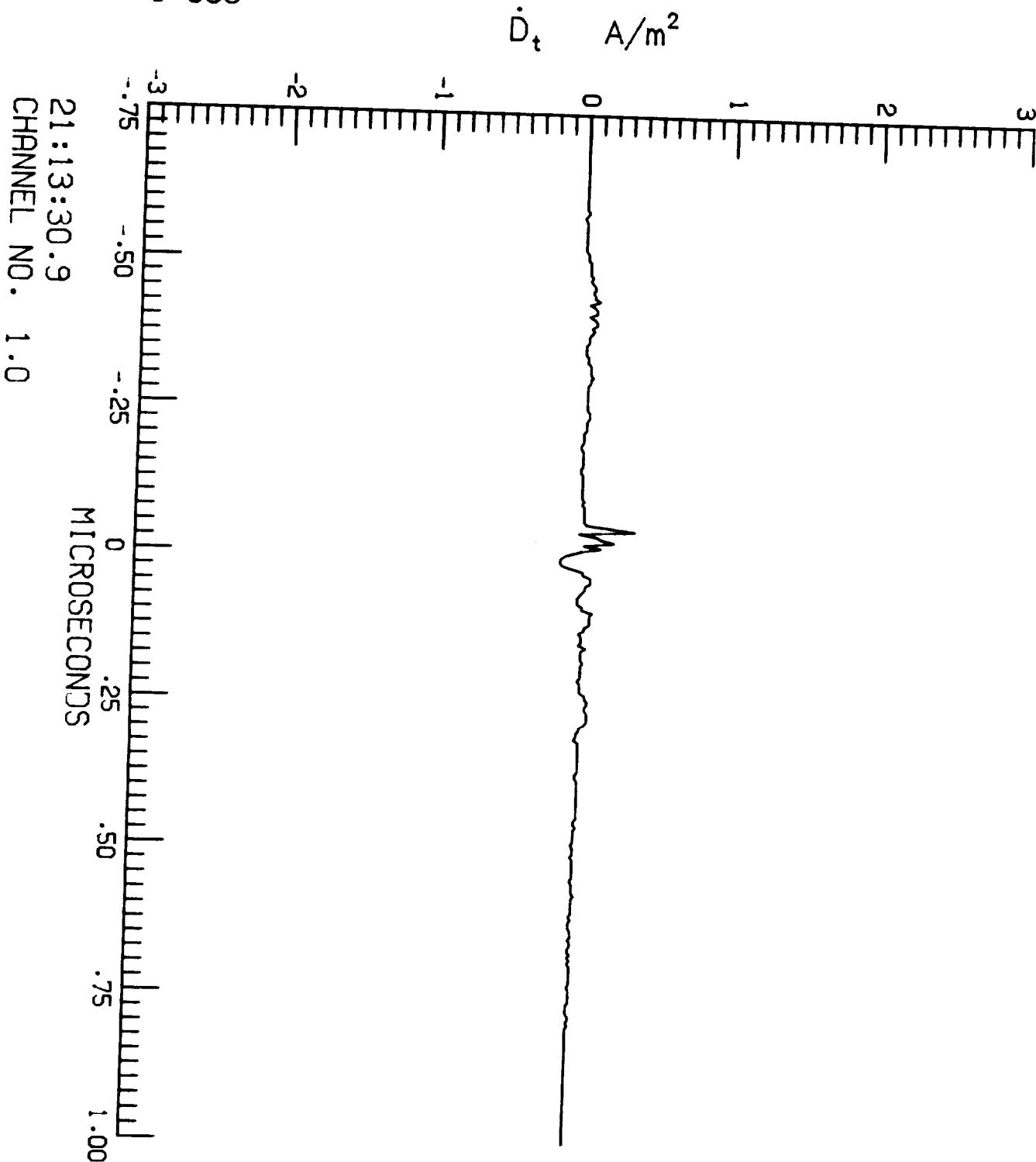
S-005

\dot{D}_f A/m²



21:13:03.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-035/ZAEPFEL
LEC 1 RUN NO. 6
S-006



21:13:30.9
CHANNEL NO. 1.0

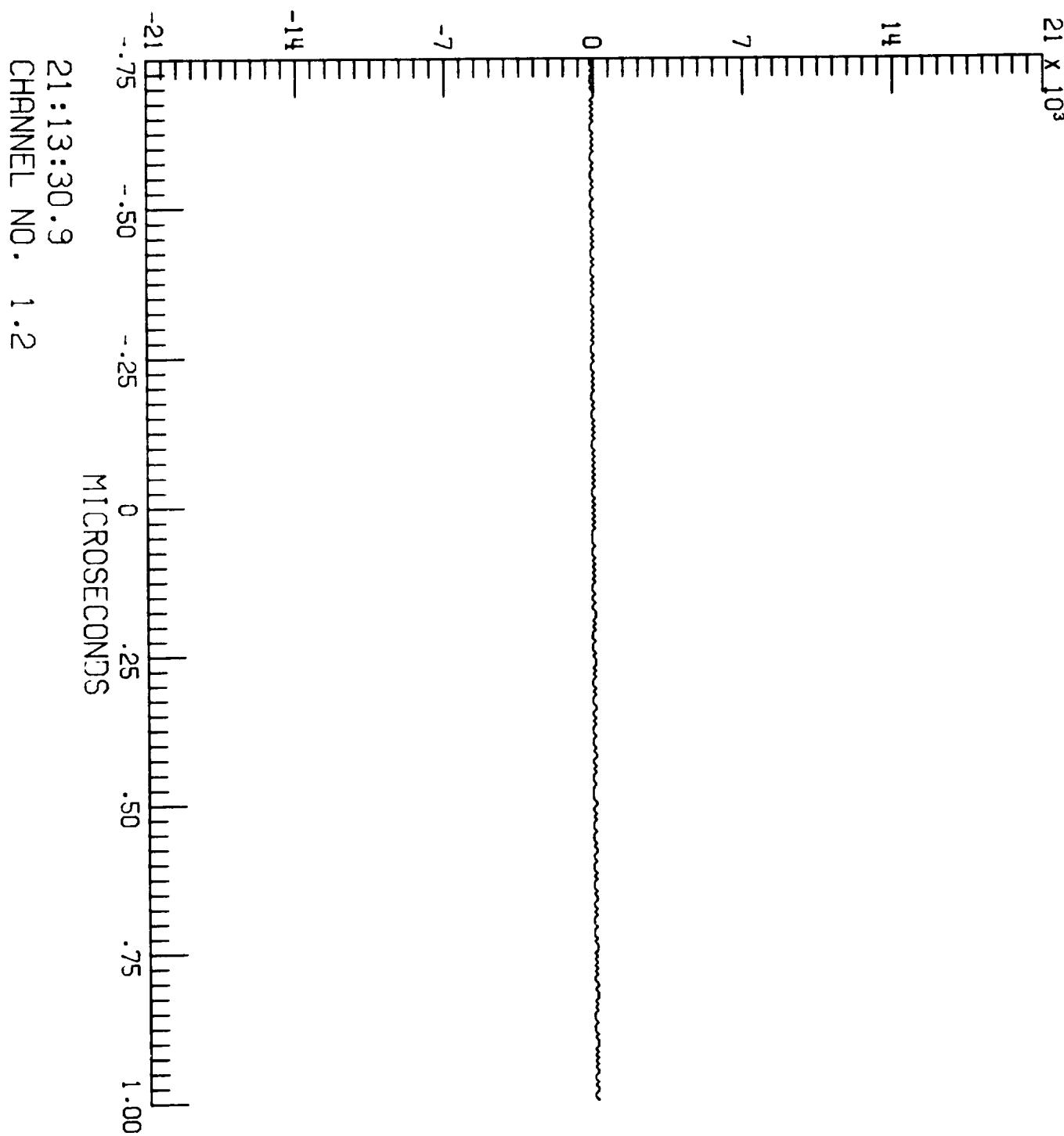
F106 LIGHTNING/85-035/ZAEPFEL

LEC 1 RUN NO. 6

S-006

I_t A

21 $\times 10^3$

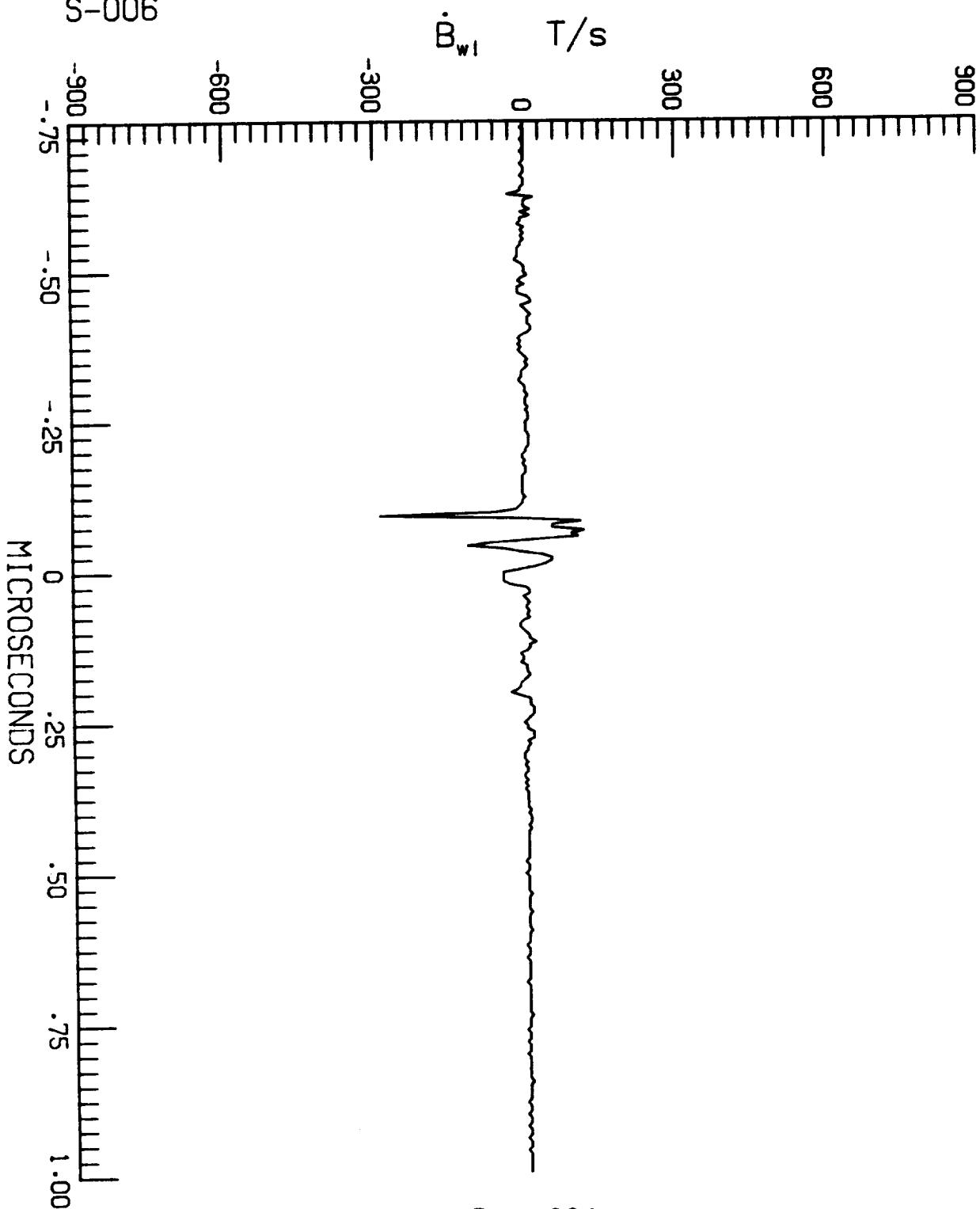


21:13:30.9
CHANNEL NO. 1.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 6

S-006



21:13:30.9
CHANNEL NO. 2.0

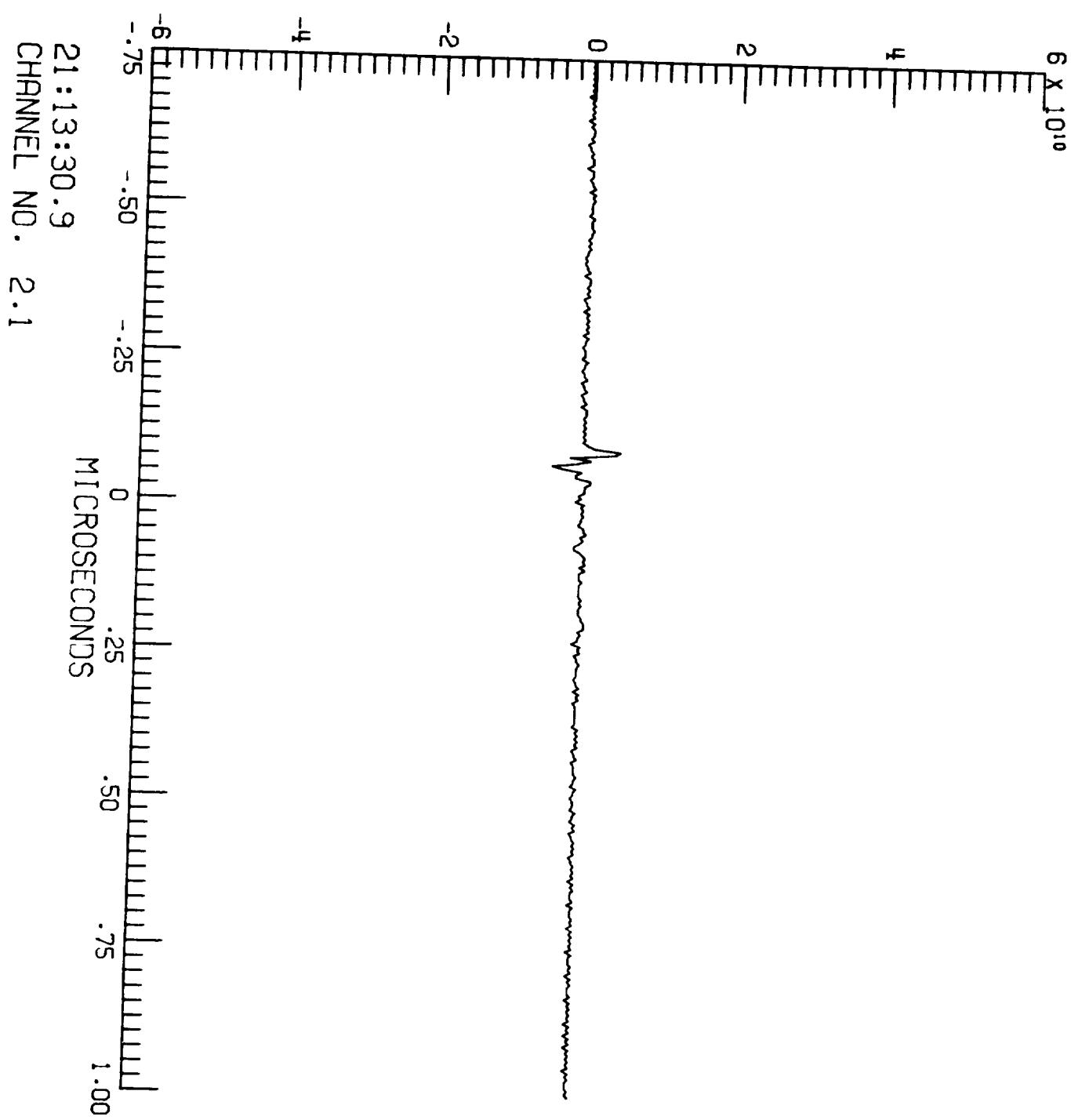
F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 6

S-006

\dot{I} A/s

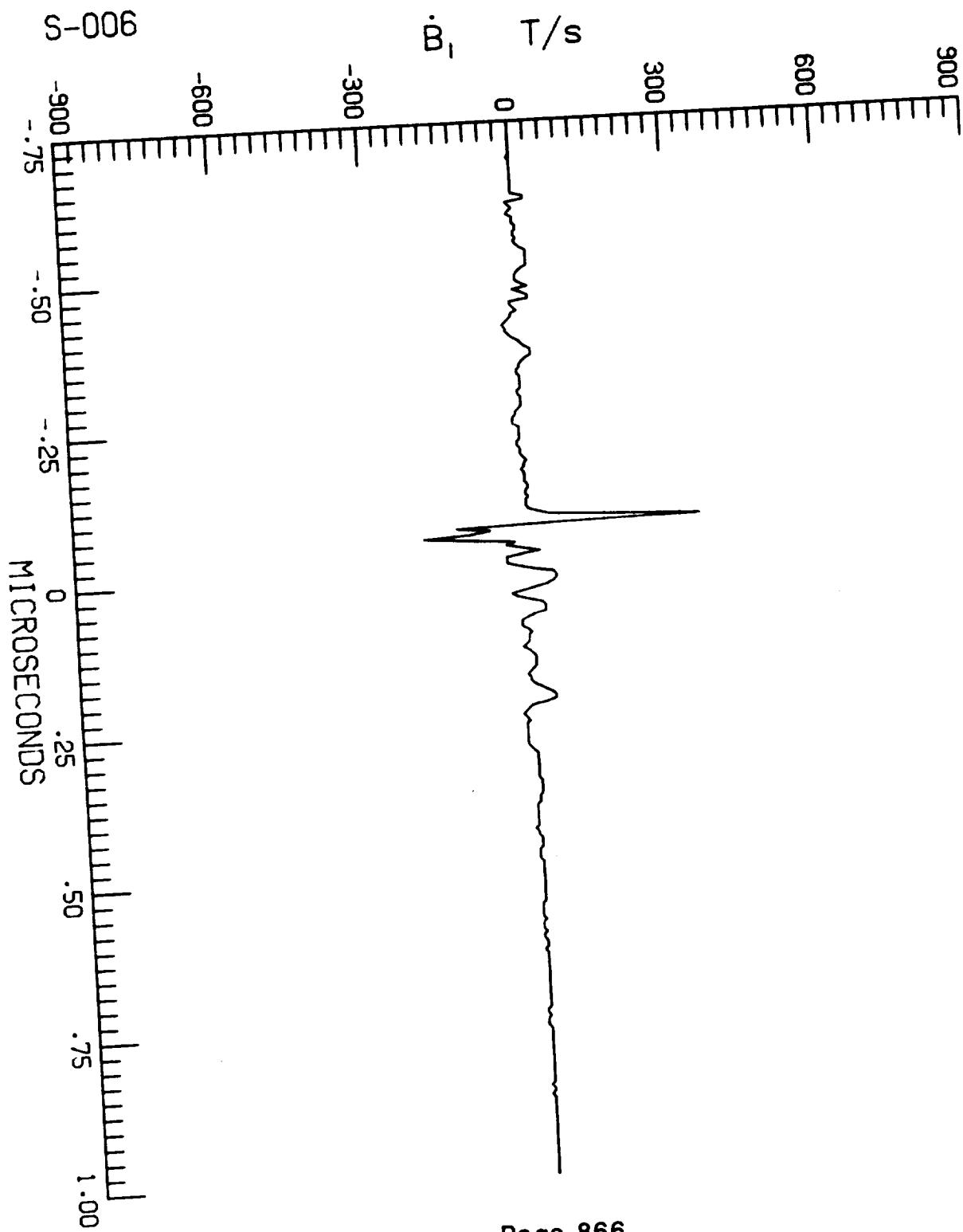
6 $\times 10^{10}$



F106 LIGHTNING/85-035/ZAEPFEL

LEC 2 RUN NO. 6

S-006



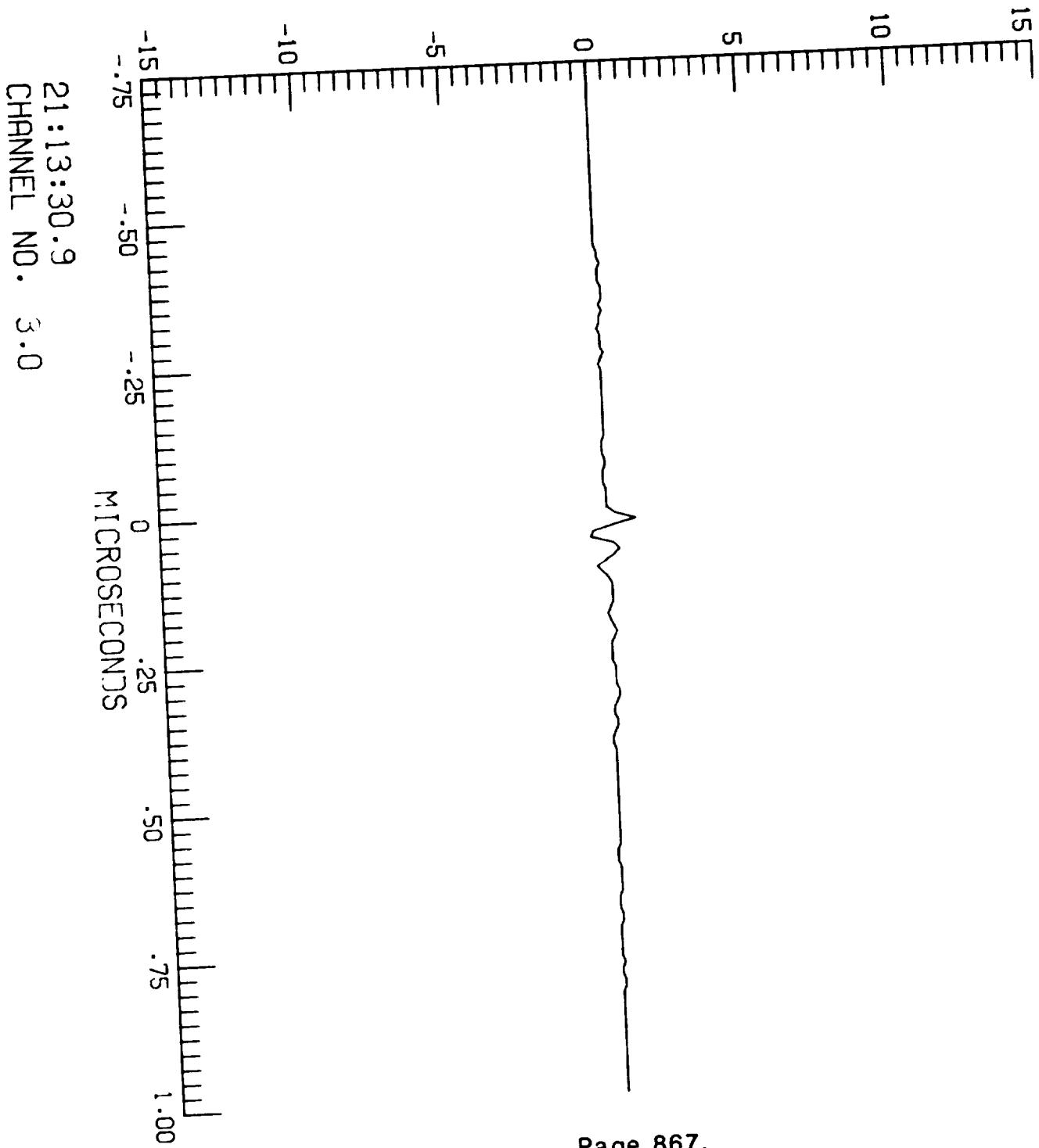
21:13:30.9
CHANNEL NO. 2.2

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 6

S-006

\dot{D}_{wr} A/m²

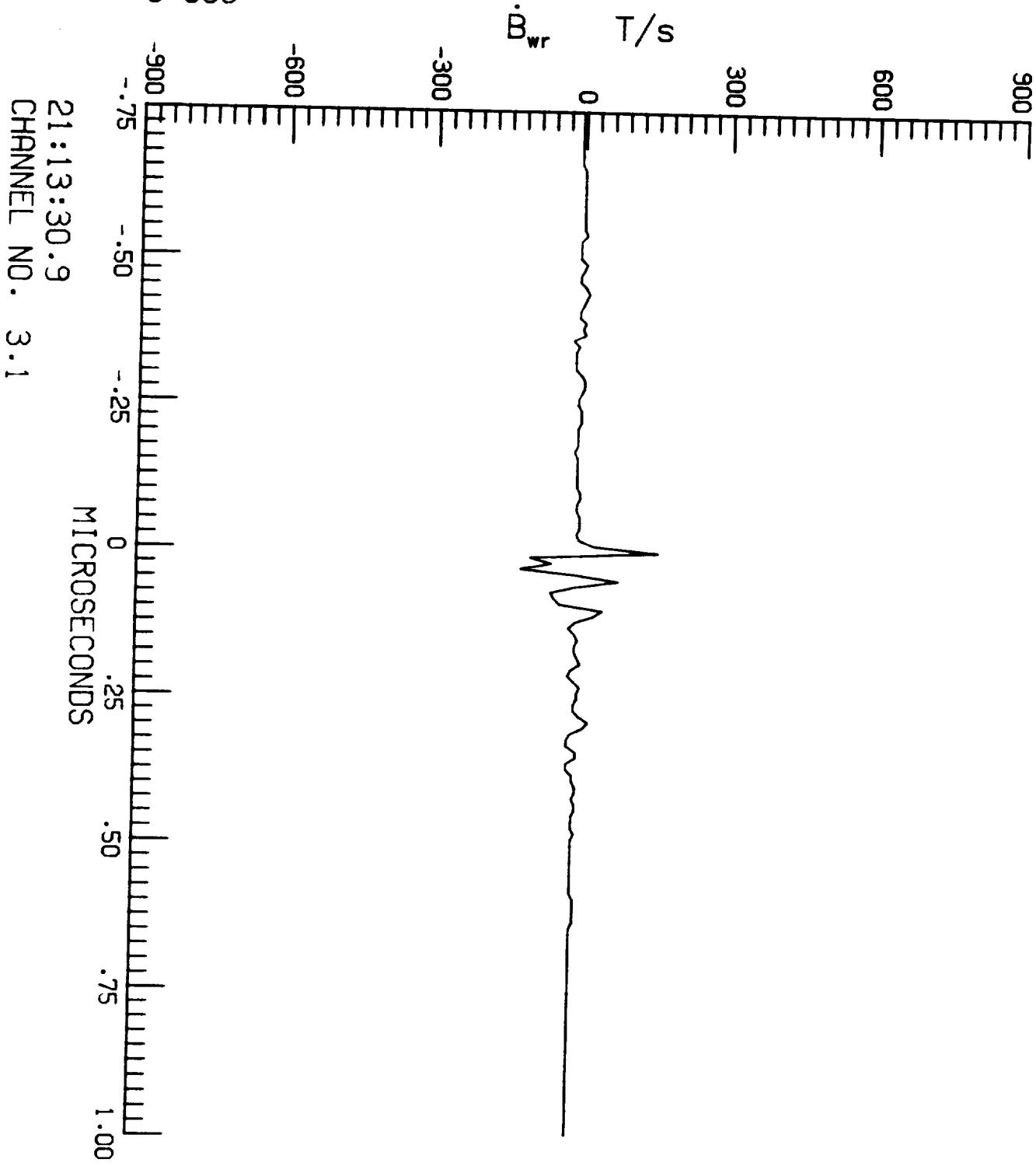


21:13:30.9
CHANNEL NO. 3.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 6

S-006



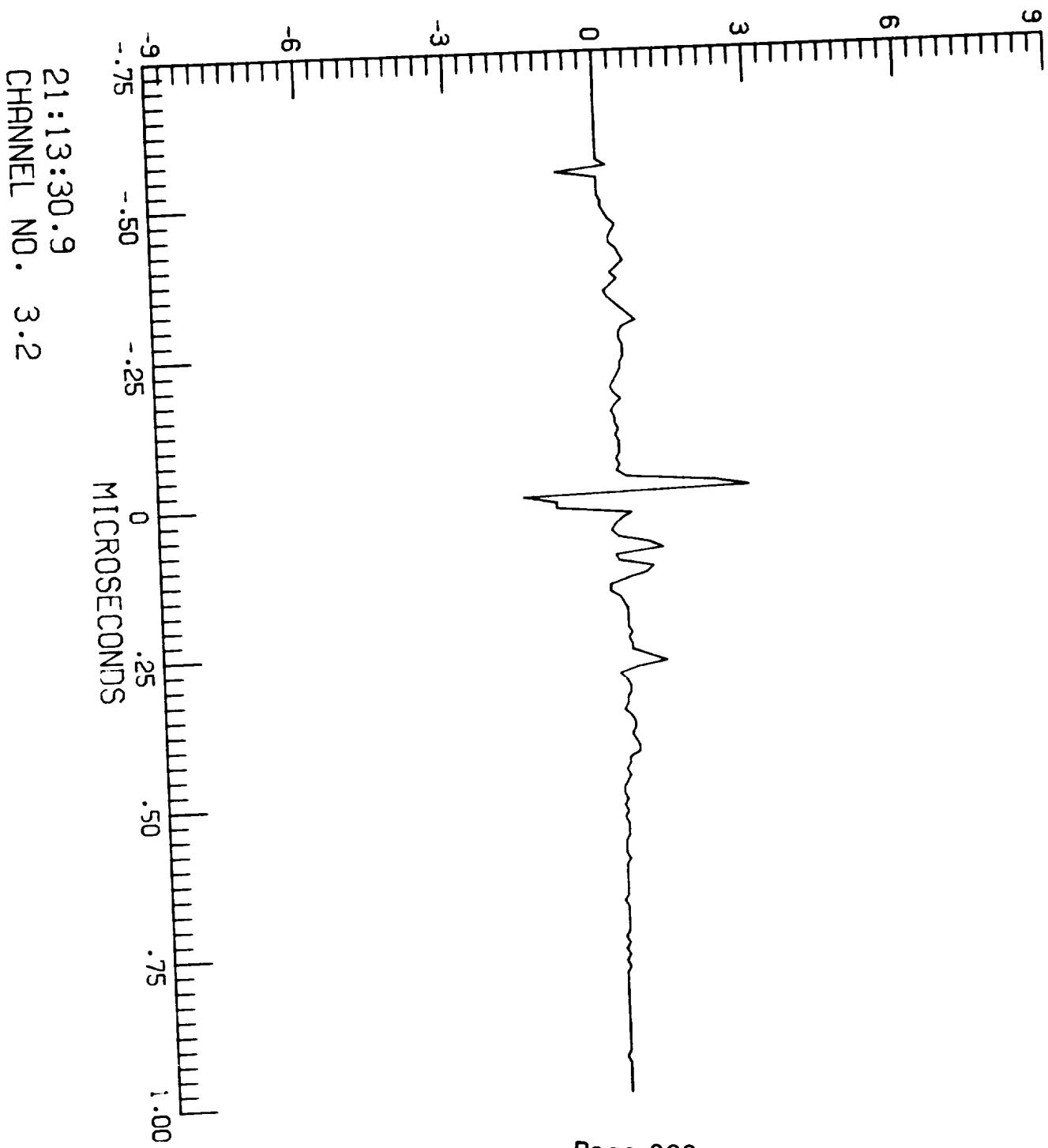
21:13:30.9
CHANNEL NO. 3.1

F106 LIGHTNING/85-035/ZAEPFEL

LEC 3 RUN NO. 6

S-006

\dot{D}_f A/m²



21:13:30.9
CHANNEL NO. 3.2

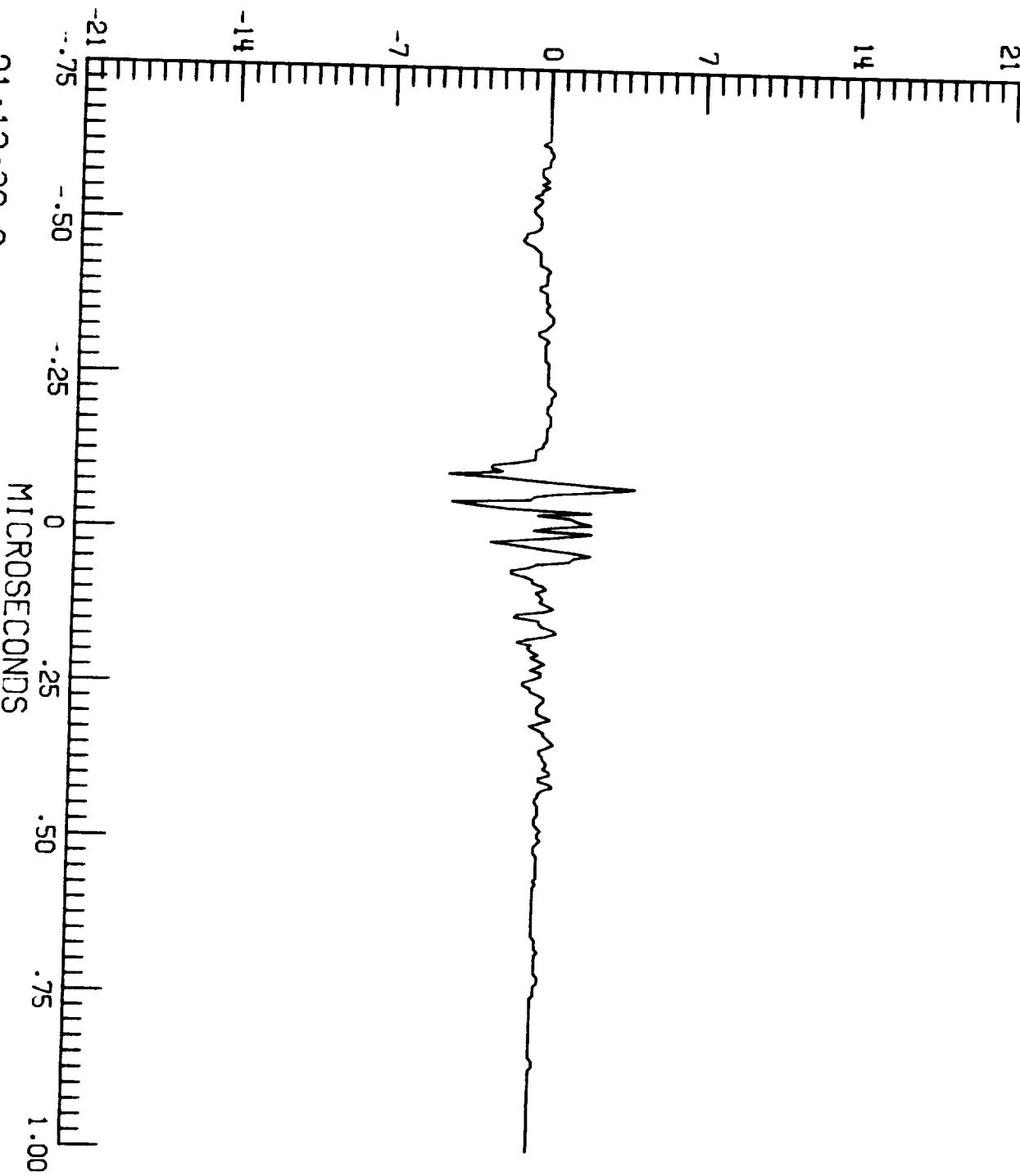
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 6

S-006

TP101

V



21:13:30.9
CHANNEL NO. 4.0

F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 6

S-006

TP116

A

.09

.18

.27

0

-.18

-.09

-.27

-.75

-.50

-.25

0

.25

.50

.75

1.00

MICROSECONDS

21:13:30.9
CHANNEL NO. 4.1

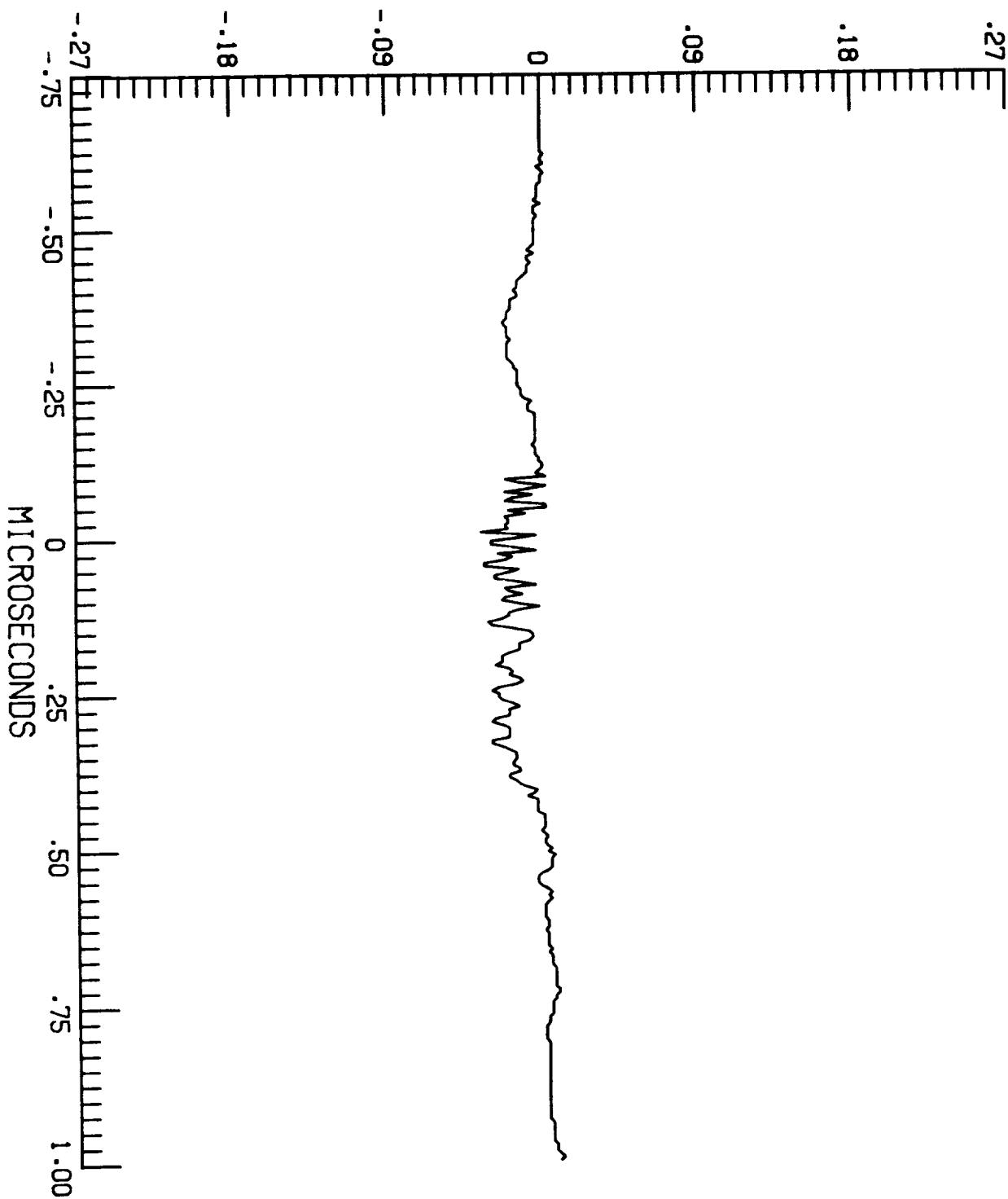
F106 LIGHTNING/85-035/ZAEPFEL

LEC 4 RUN NO. 6

S-006

TP112

A

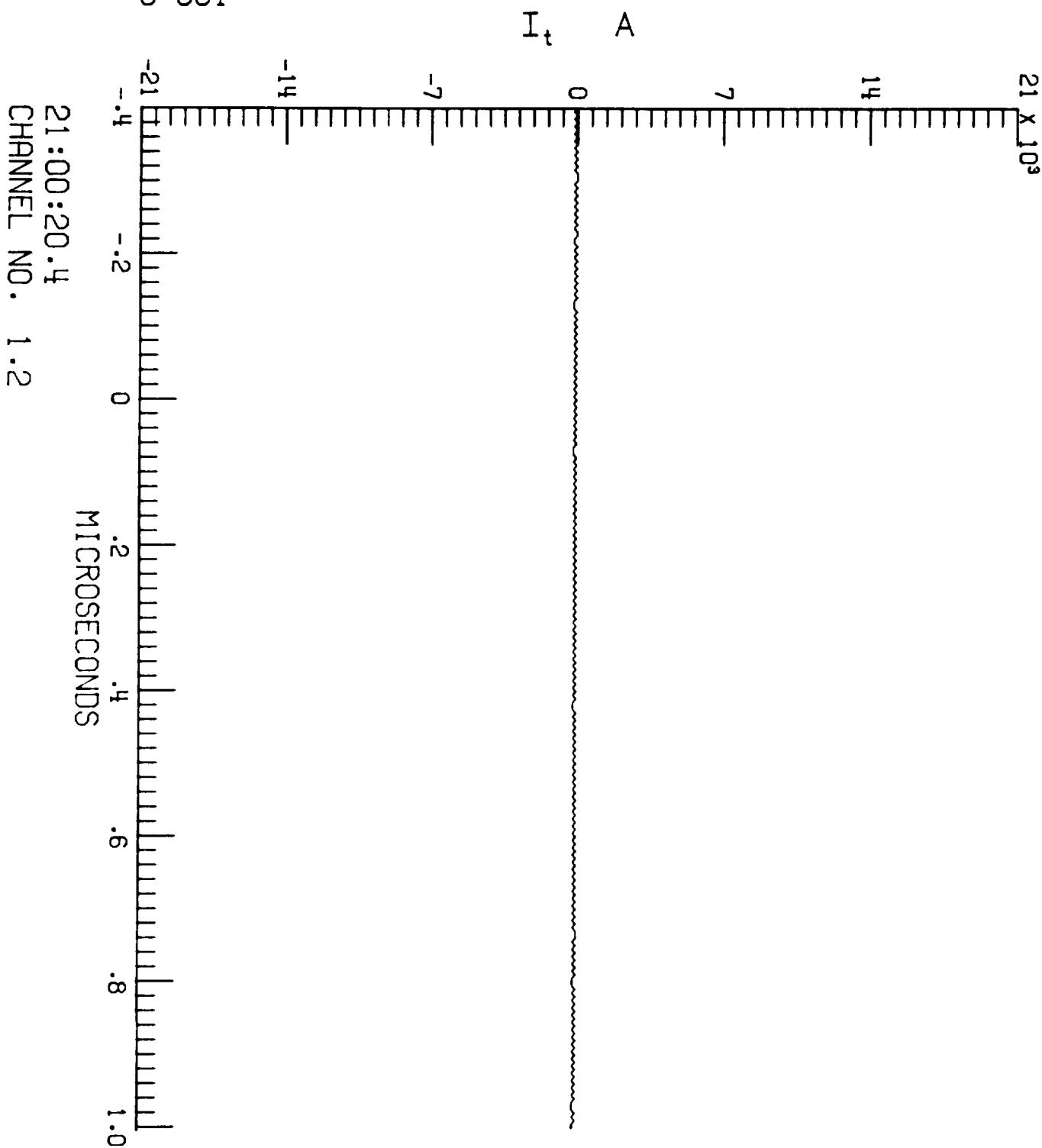


21:13:30.9
CHANNEL NO. 4.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 1 RUN NO. 1

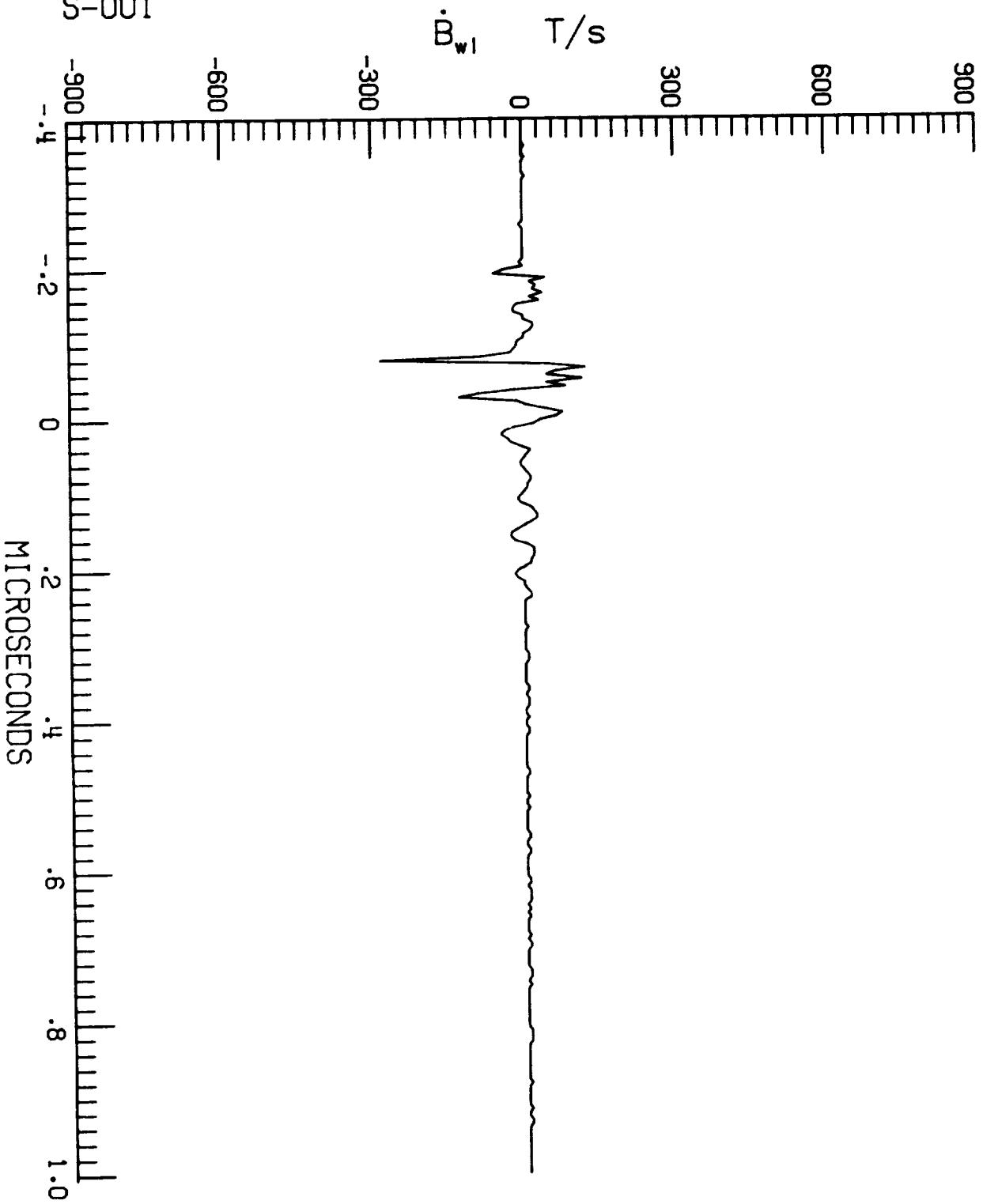
S-001



F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 1

S-001



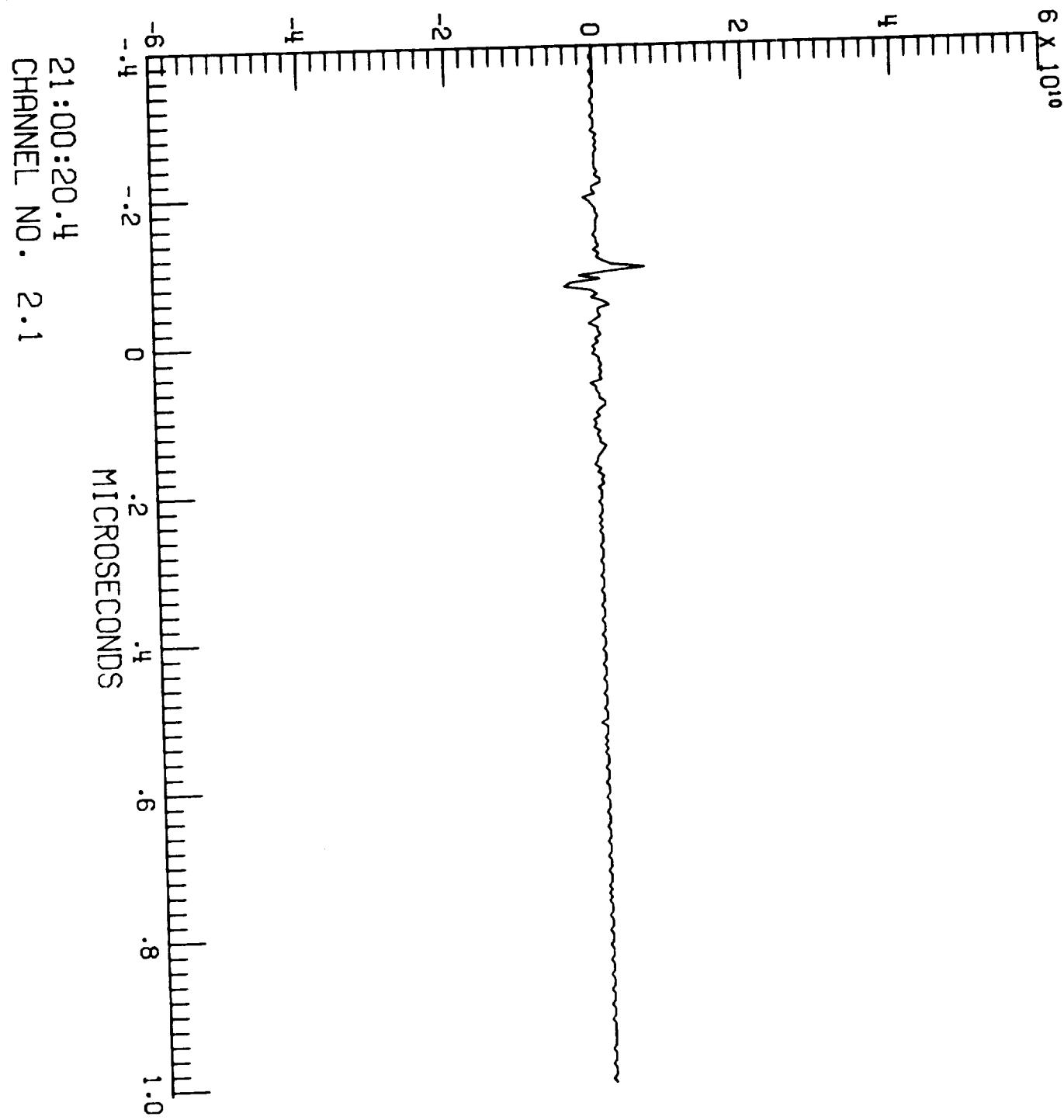
21:00:20.4
CHANNEL NO. 2.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 1

S-001

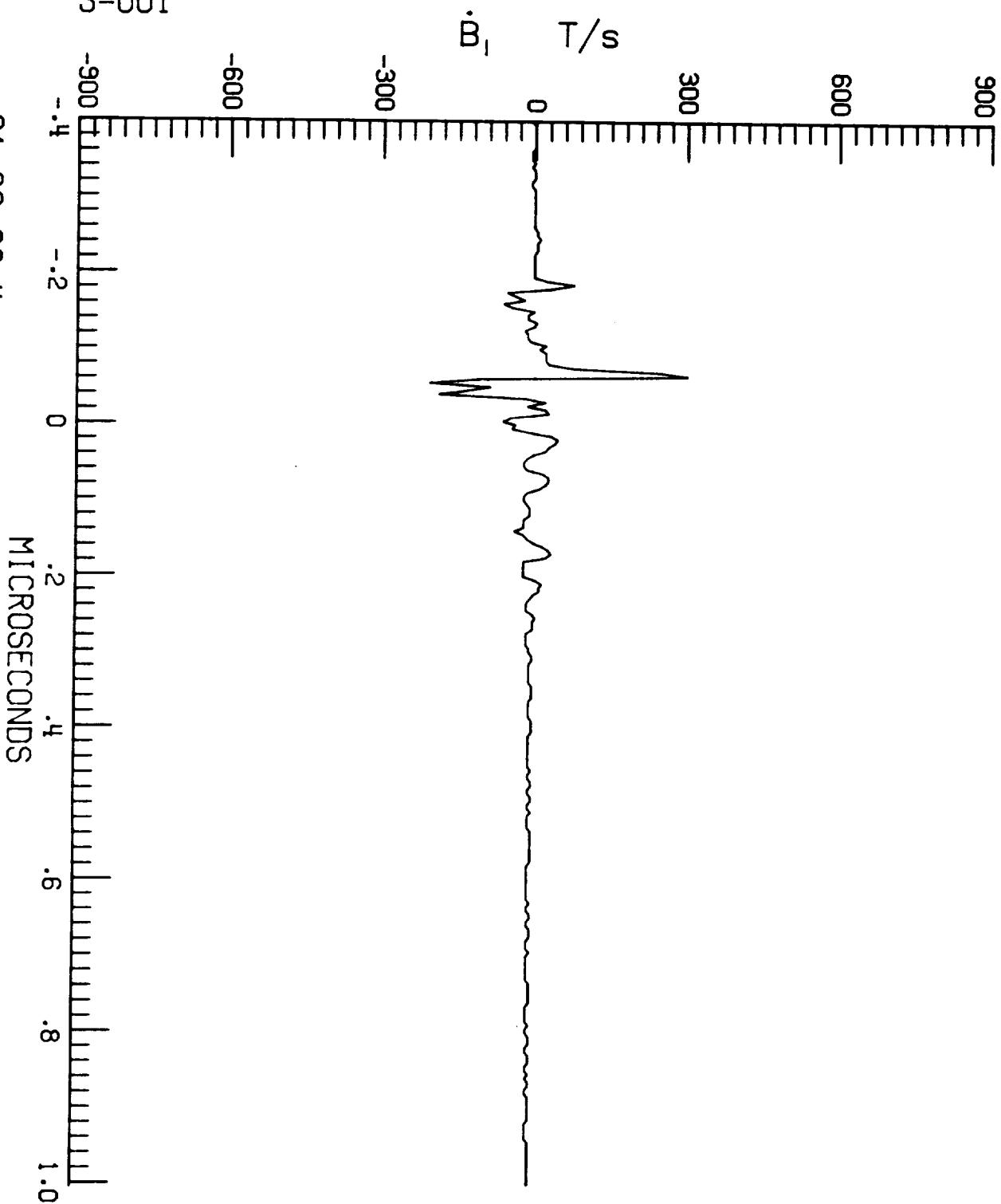
i A/s



F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 1

S-001



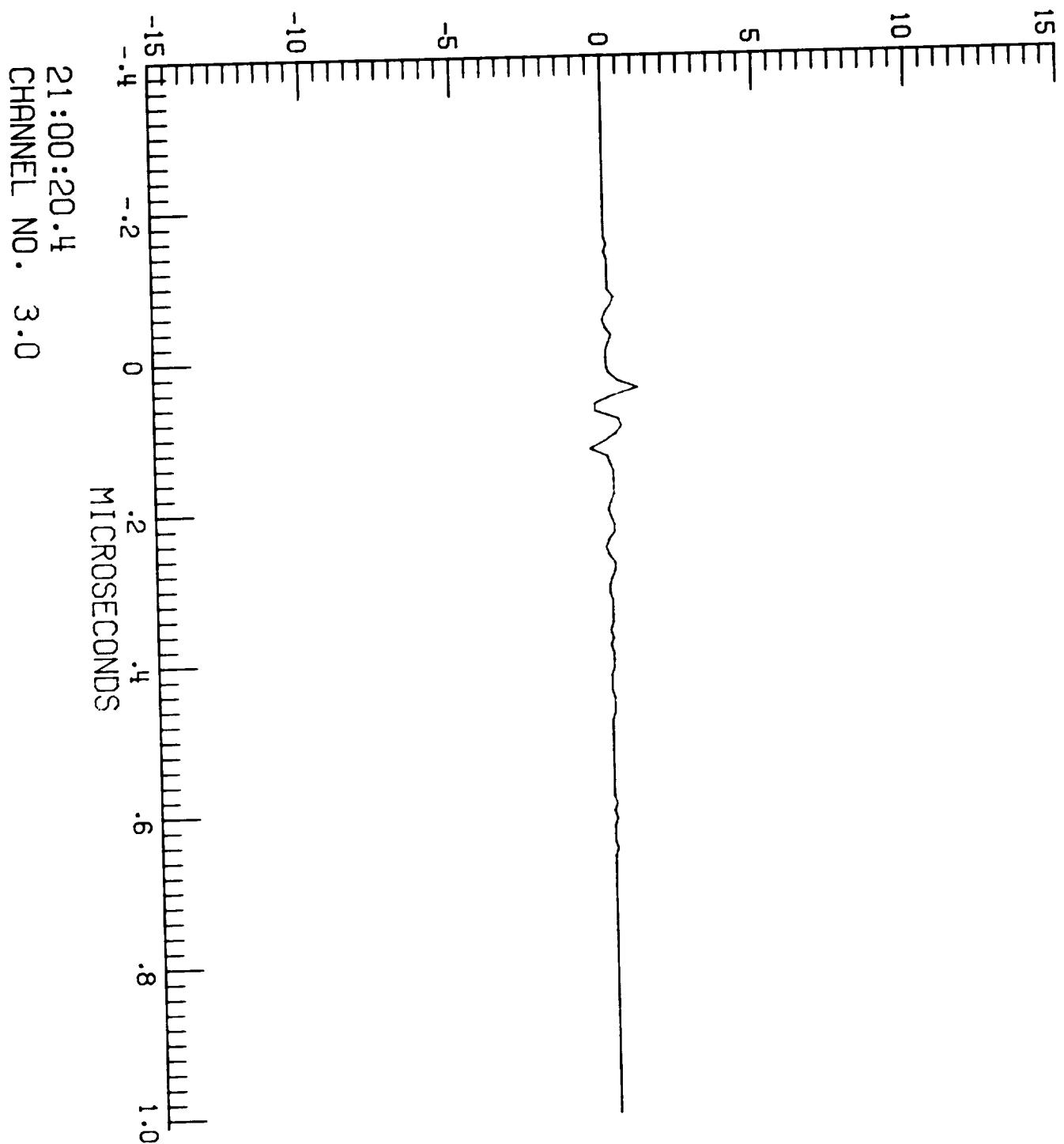
21:00:20.4
CHANNEL NO. 2.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 1

S-001

\dot{D}_{wr} A/m²

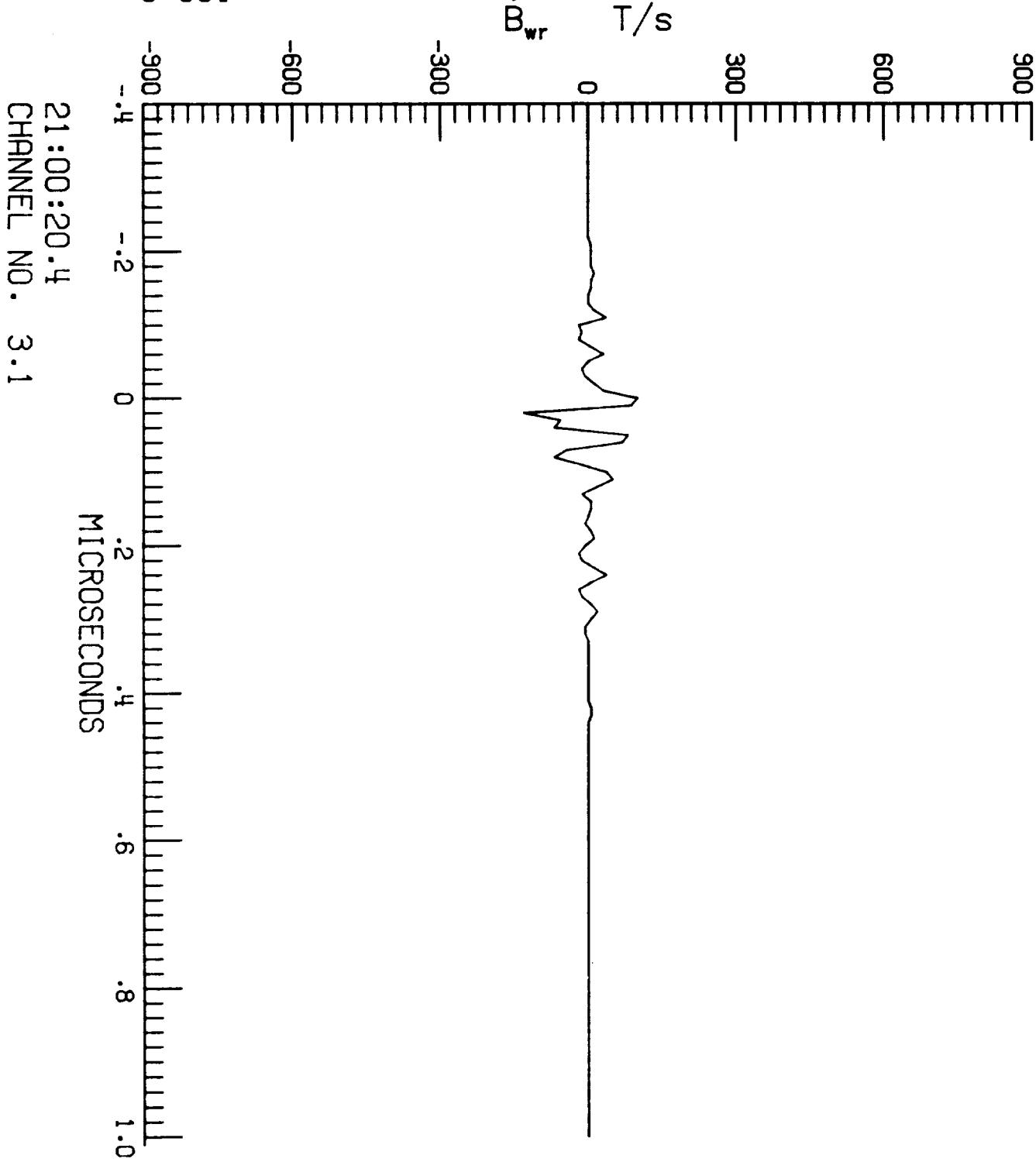


21:00:20.4
CHANNEL NO. 3.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 1

S-001



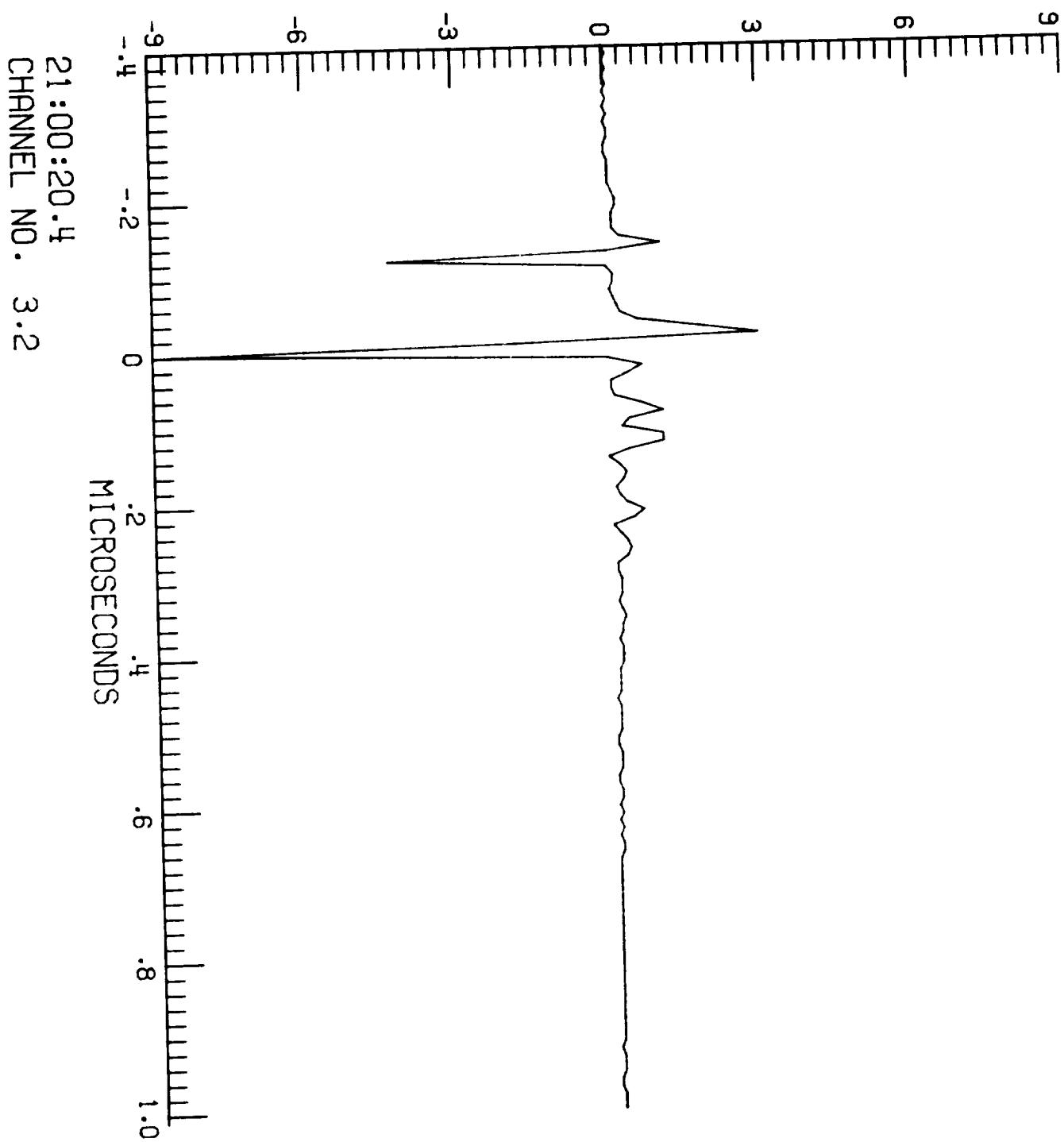
21:00:20.4
CHANNEL NO. 3.1

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 1

S-001

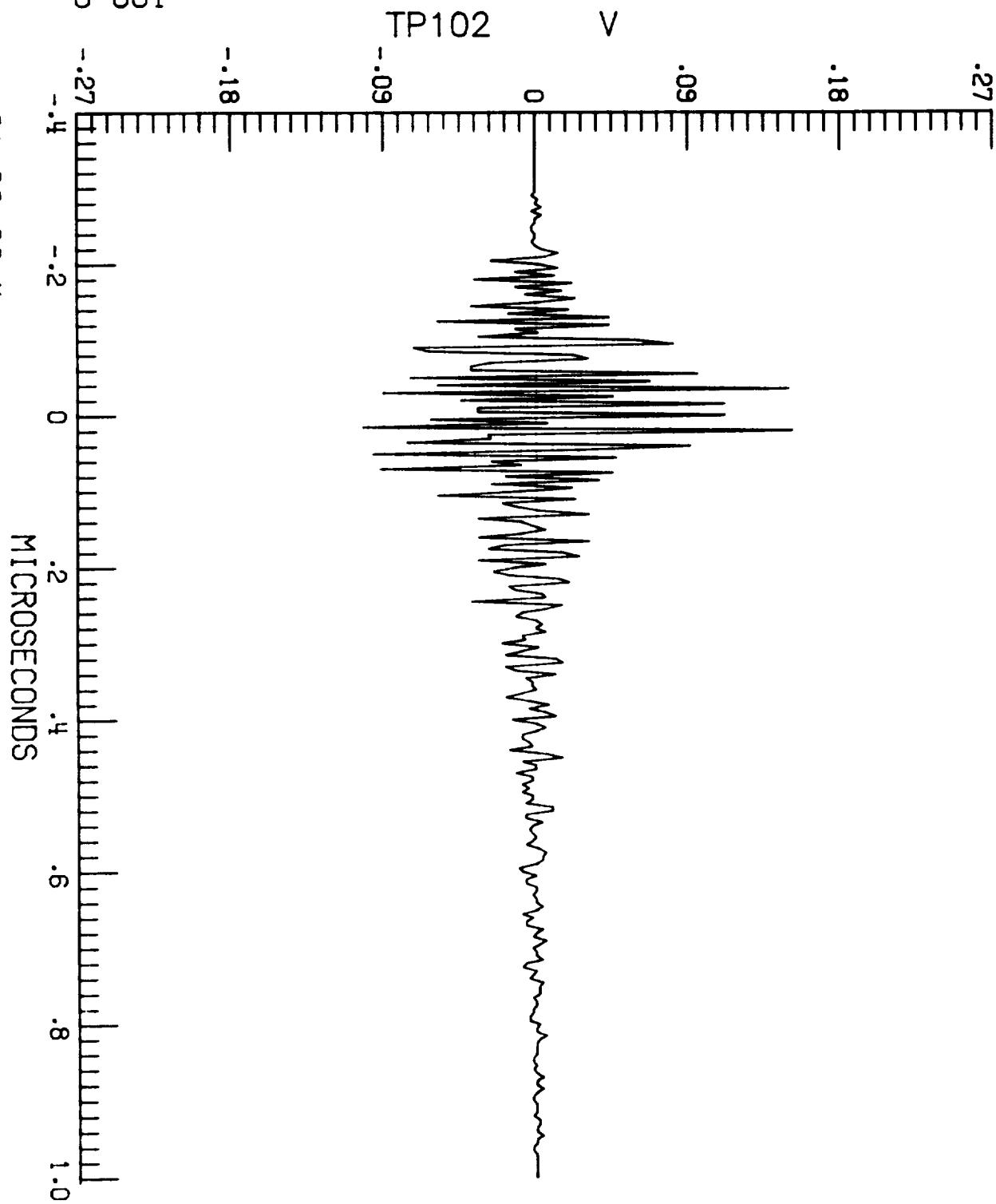
\dot{D}_f A/m²



F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 1

S-001



F106 LIGHTNING/85-036/ZAEPFEL

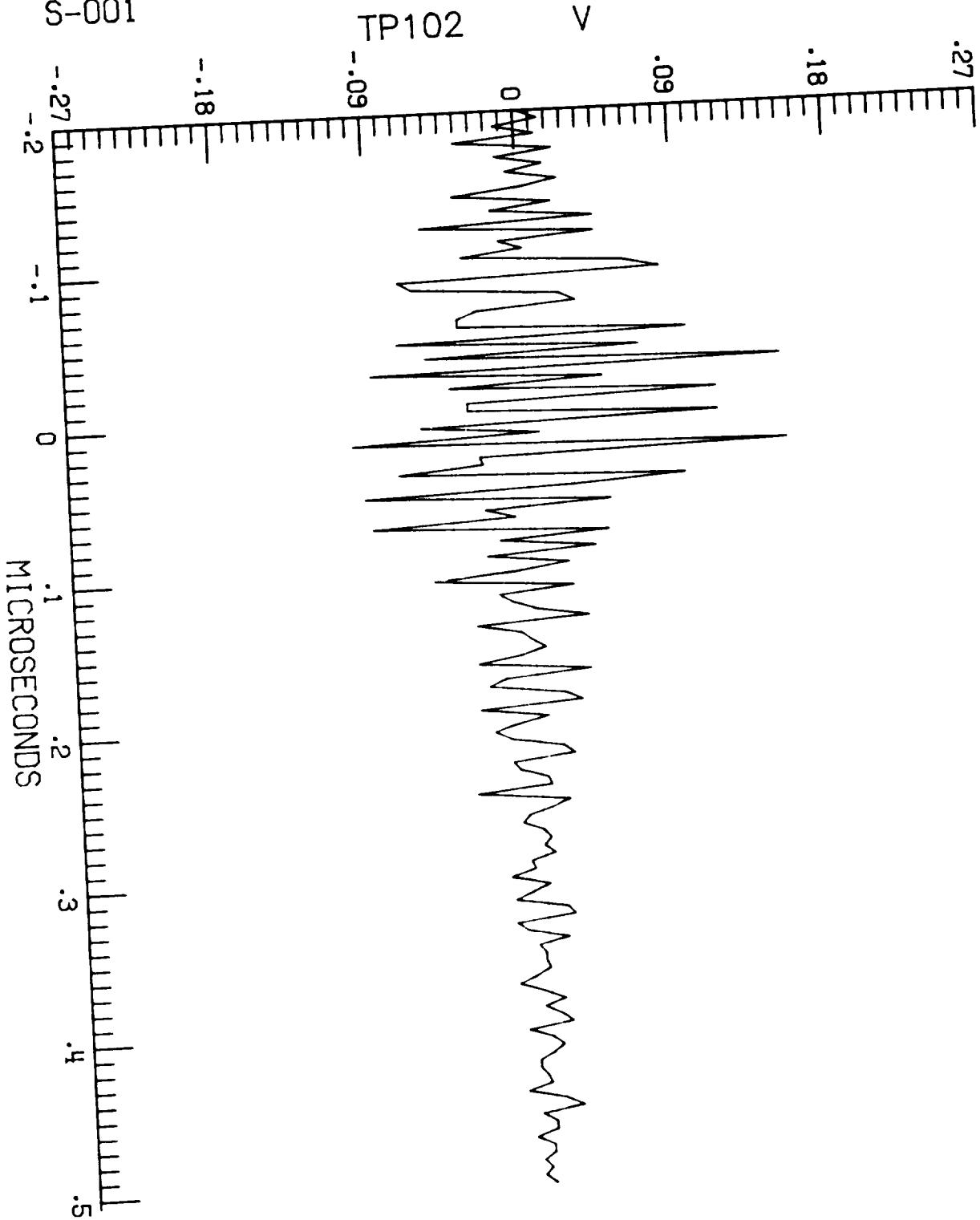
LEC 4 RUN NO. 1

S-001

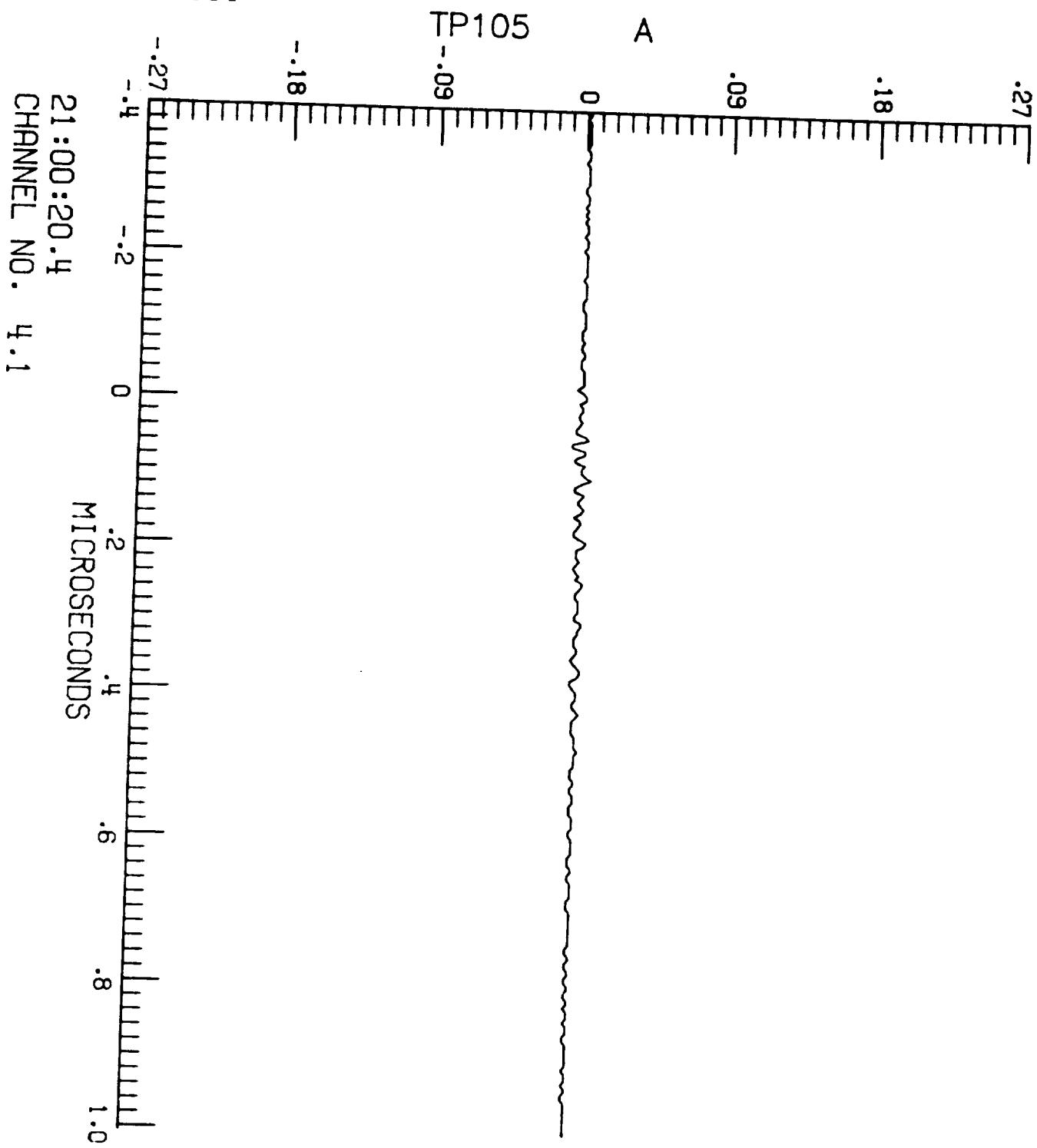
TP102

V

21:00:20.4
CHANNEL NO. 4.0



F106 LIGHTNING/85-036/ZAEPFEL
LEC 4 RUN NO. 1
S-001



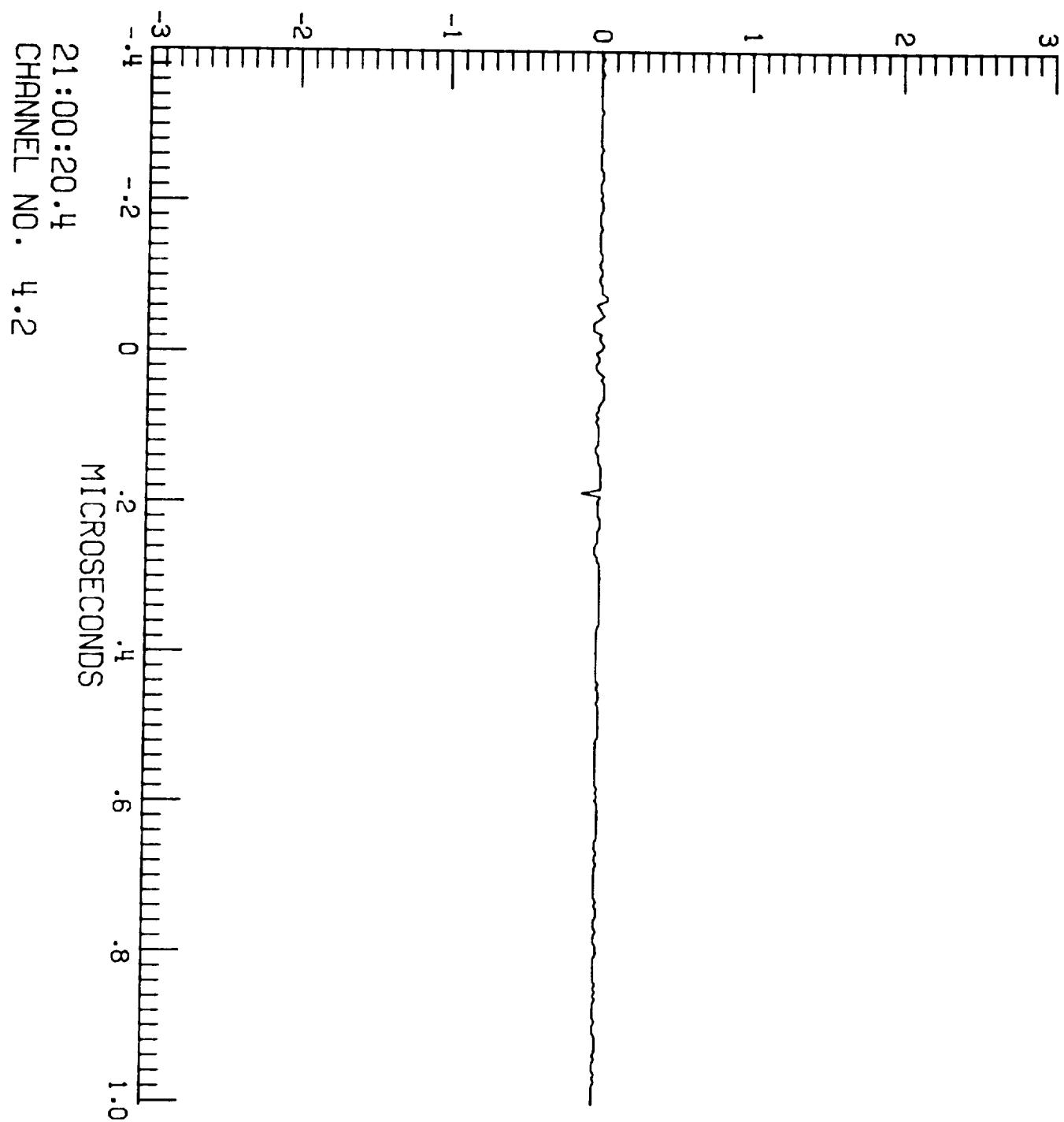
F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP123

A



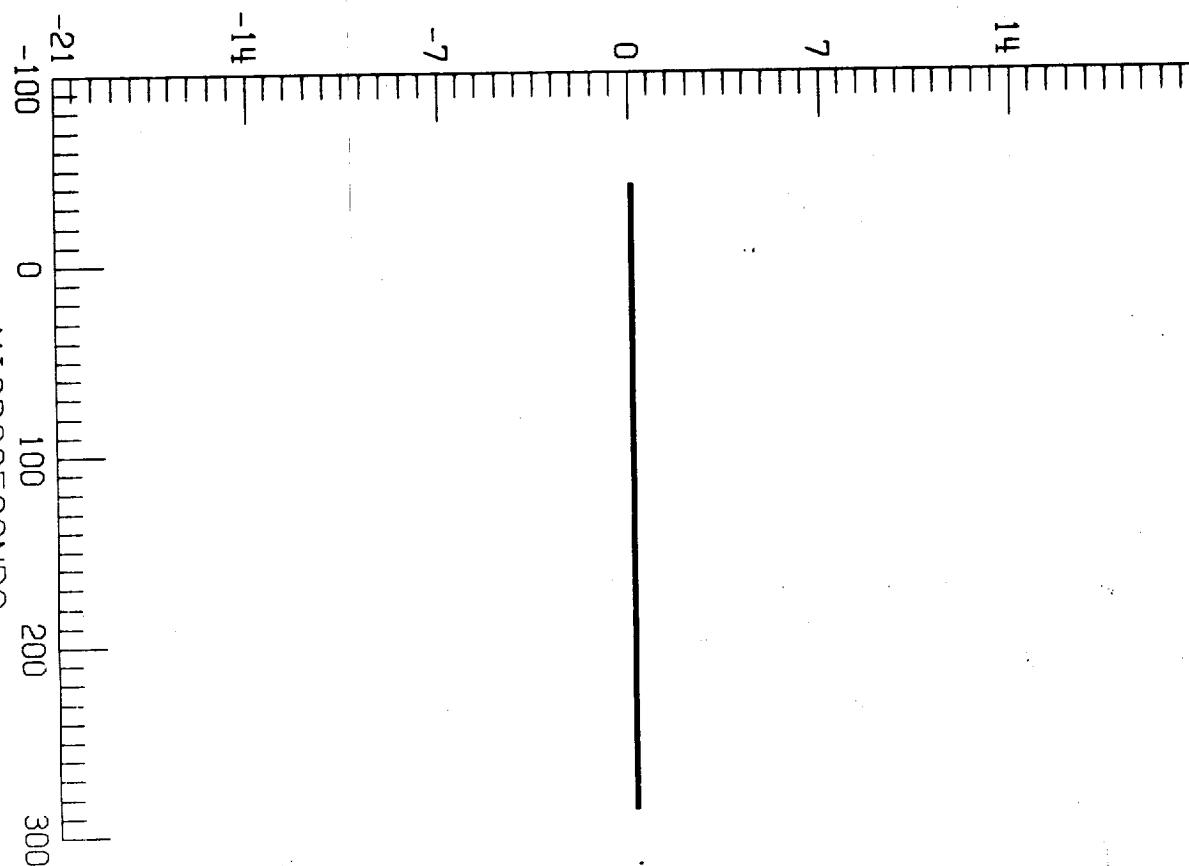
F106 LIGHTNING/85-036/ZAEPFEL

LEC 1 RUN NO. 2

S-002

I_t A

21 $\times 10^3$



21:27:04.6
CHANNEL NO. 1-2

F106 LIGHTNING/85-036/ZAEPFEL

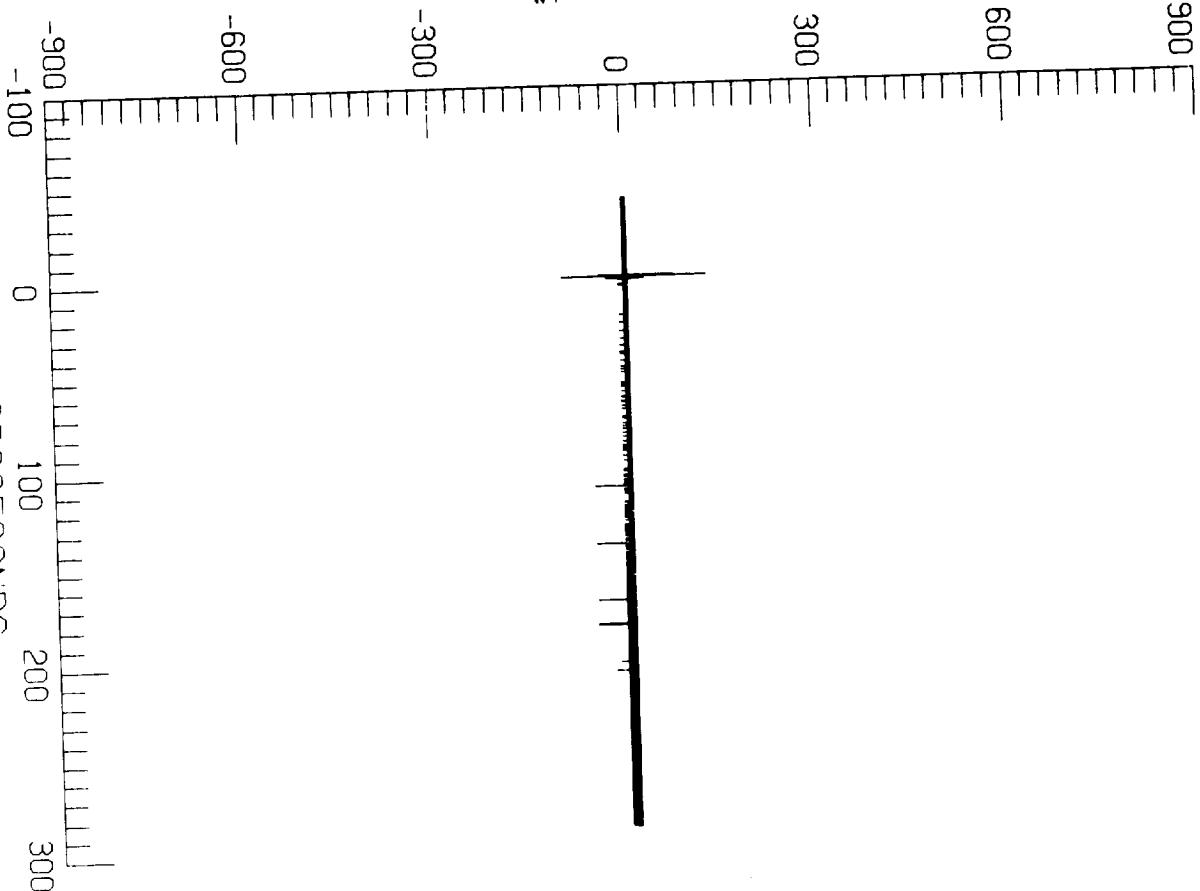
LEC 2

RUN NO. 2

S-002

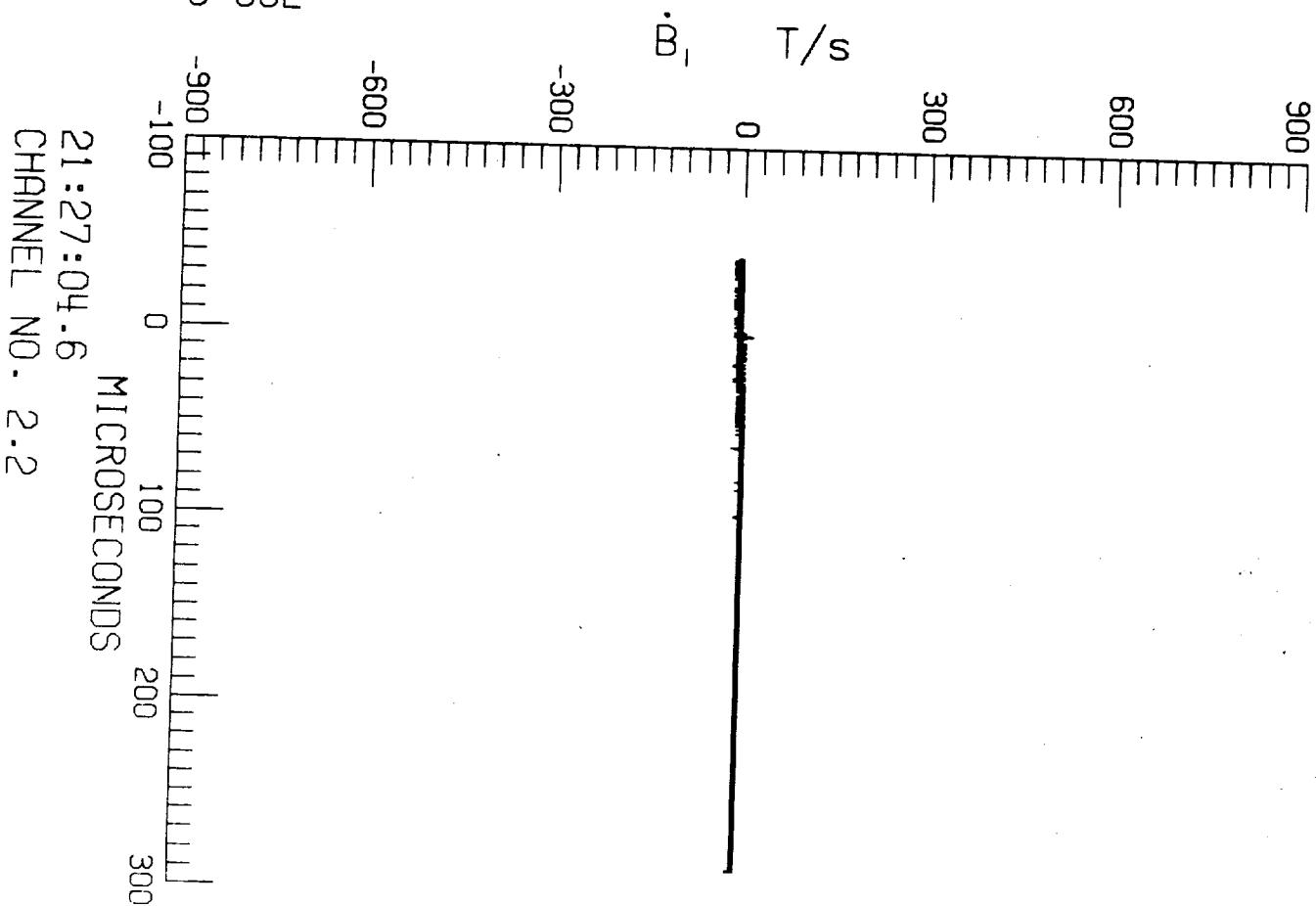
B_{w1}

T/s



21:27:04.6
CHANNEL NO. 2.0

F106 LIGHTNING/85-036/ZAEPFEL
LEC 2 RUN NO. 2
S-002



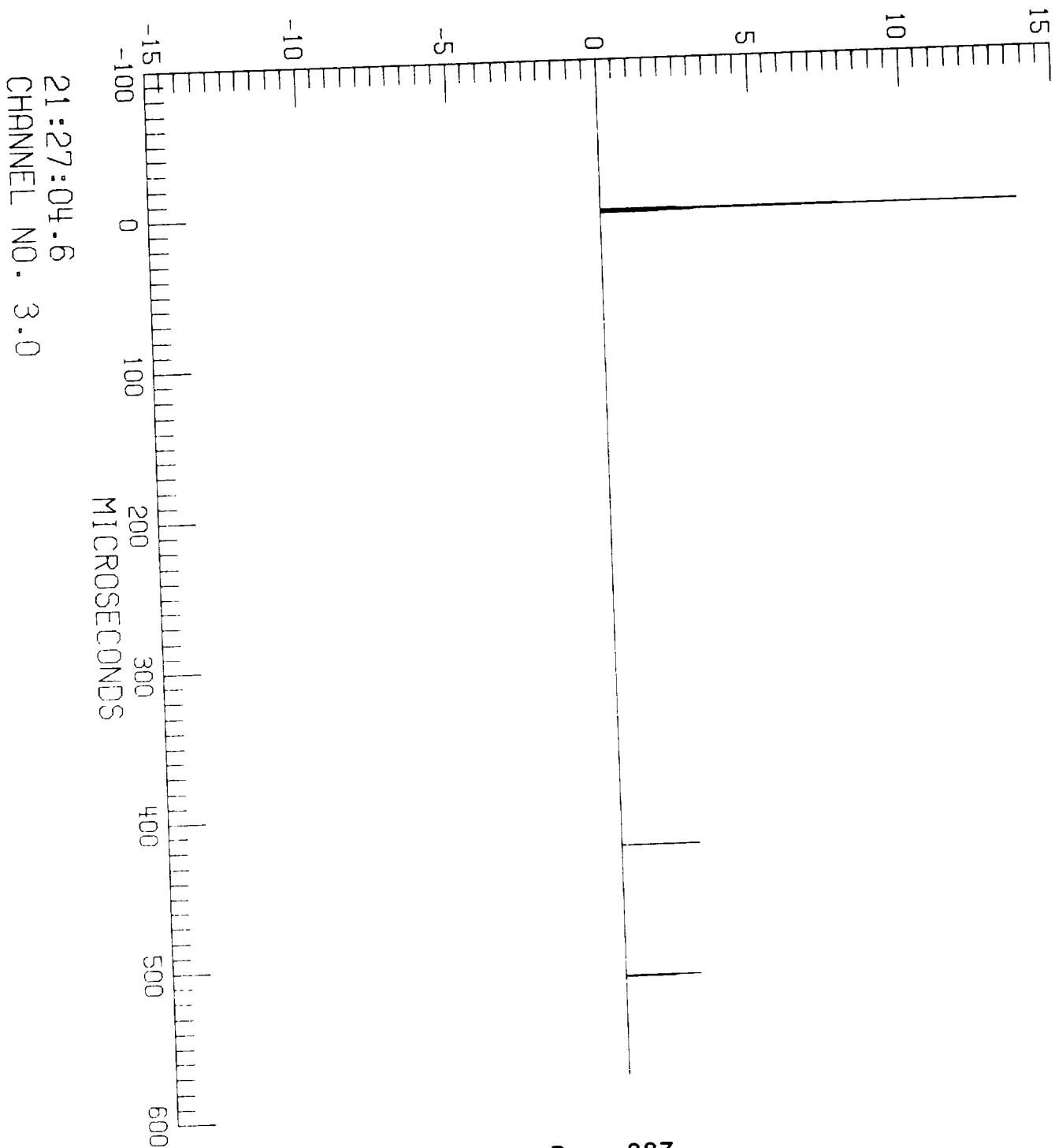
21:27:04.6
CHANNEL NO. 2.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

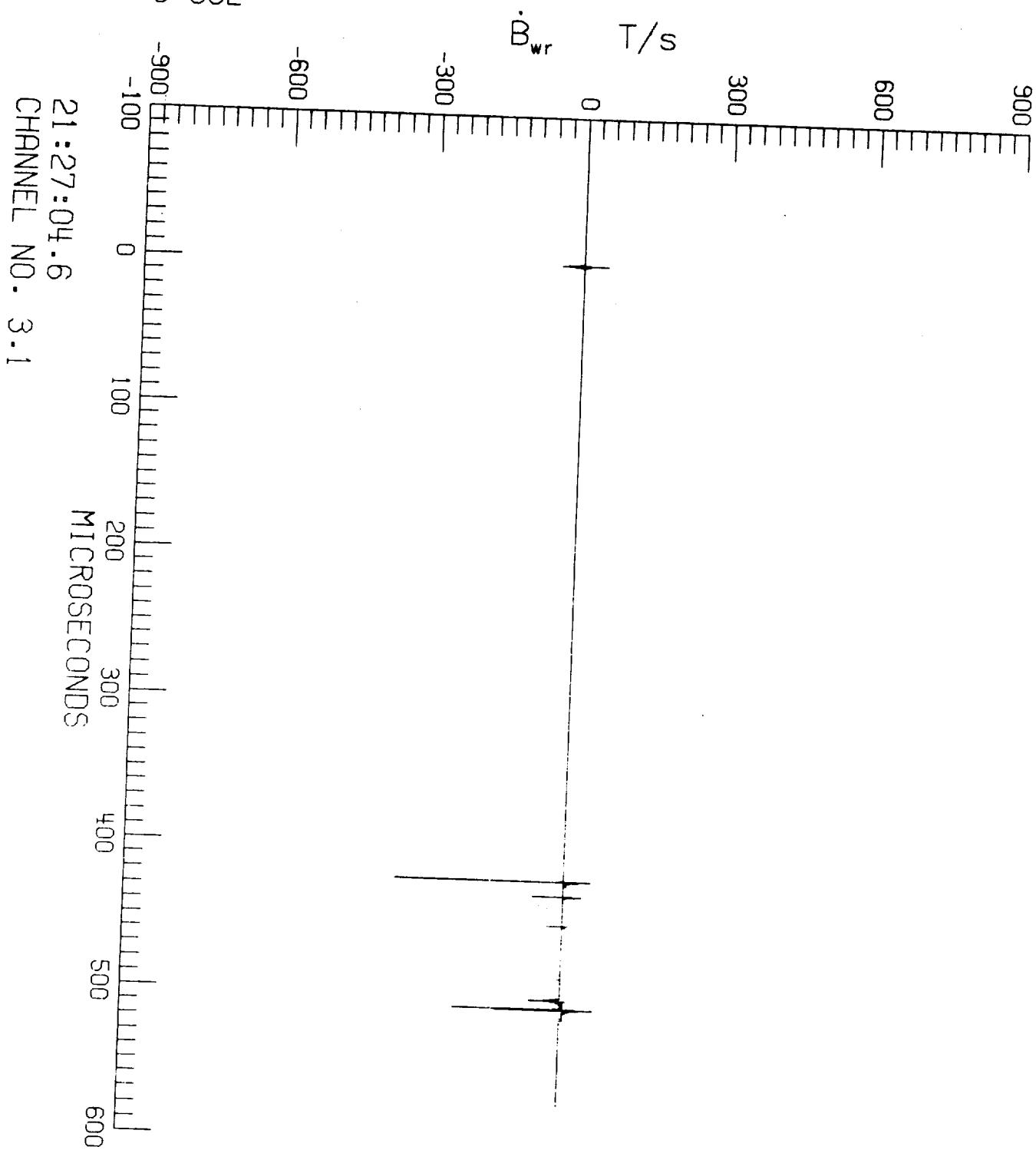
S-002

\dot{D}_{wr} A/m²



21:27:04-6
CHANNEL NO. 3.0

F106 LIGHTNING/85-036/ZAEPFEL
LEC 3 RUN NO. 2
S-002



21:27:04.6
CHANNEL NO. 3.1

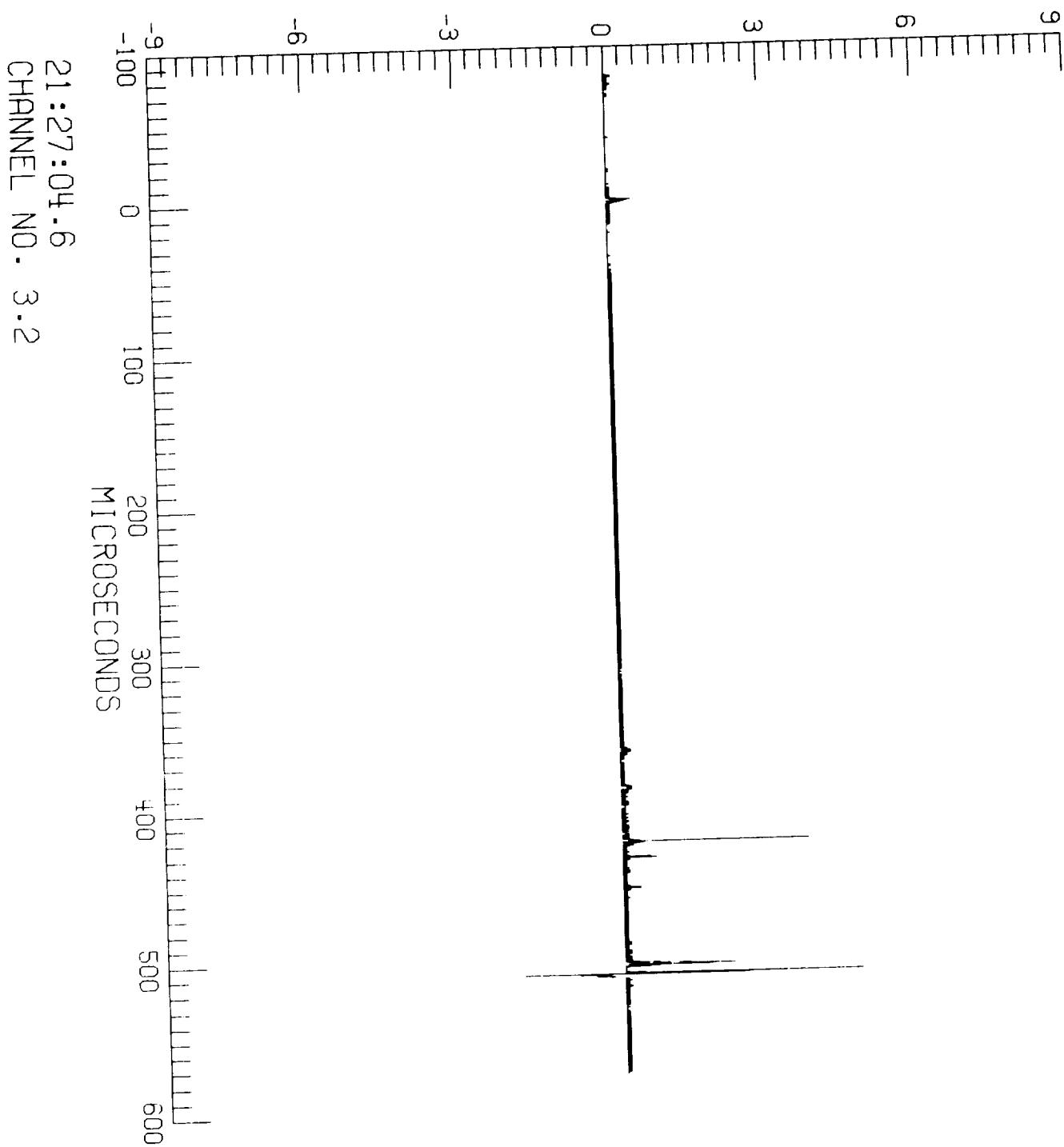
F106 LIGHTNING/85-036/ZAEPFEL

LEC 3

RUN NO. 2

S-002

\dot{D}_f A/m²



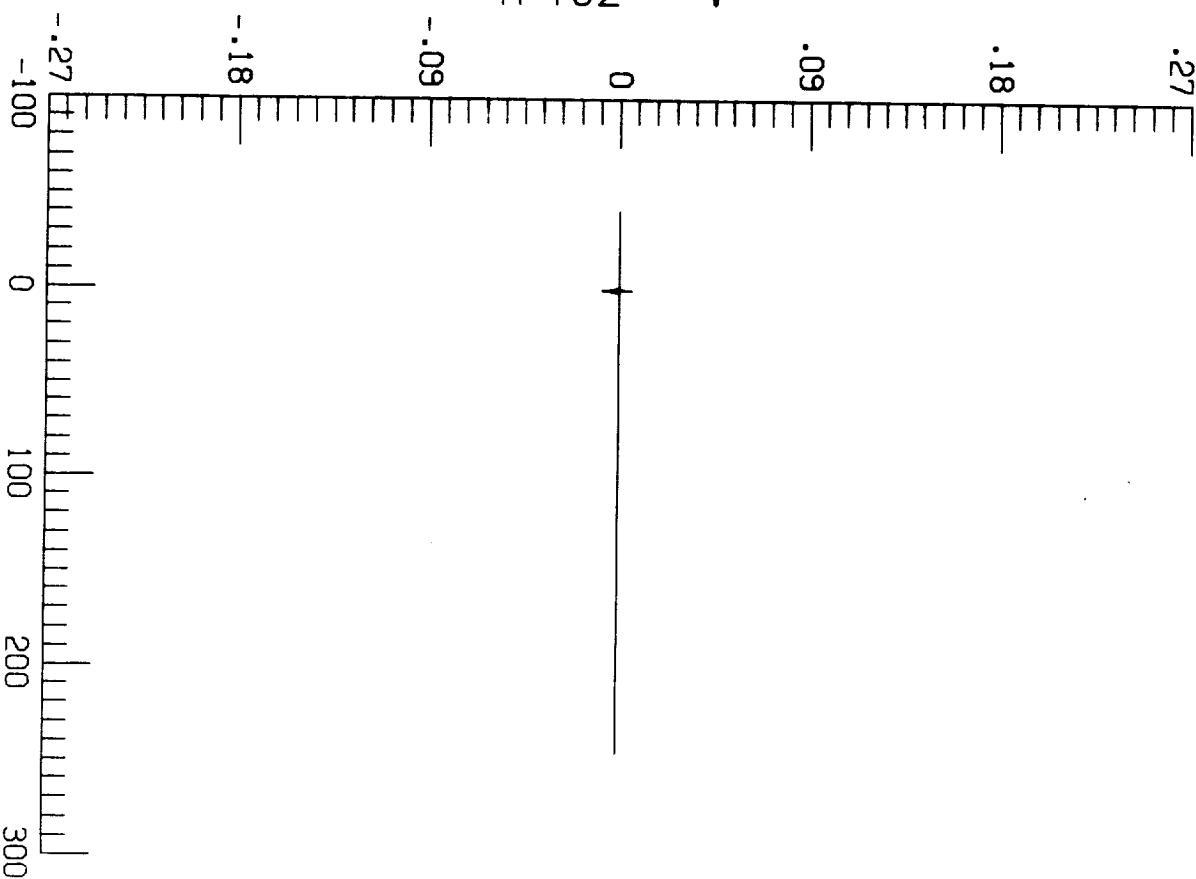
21:27:04.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP102 V



21:27:04.6

CHANNEL NO. 4.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP105

A

-.09

-.18

.09

.18

.27



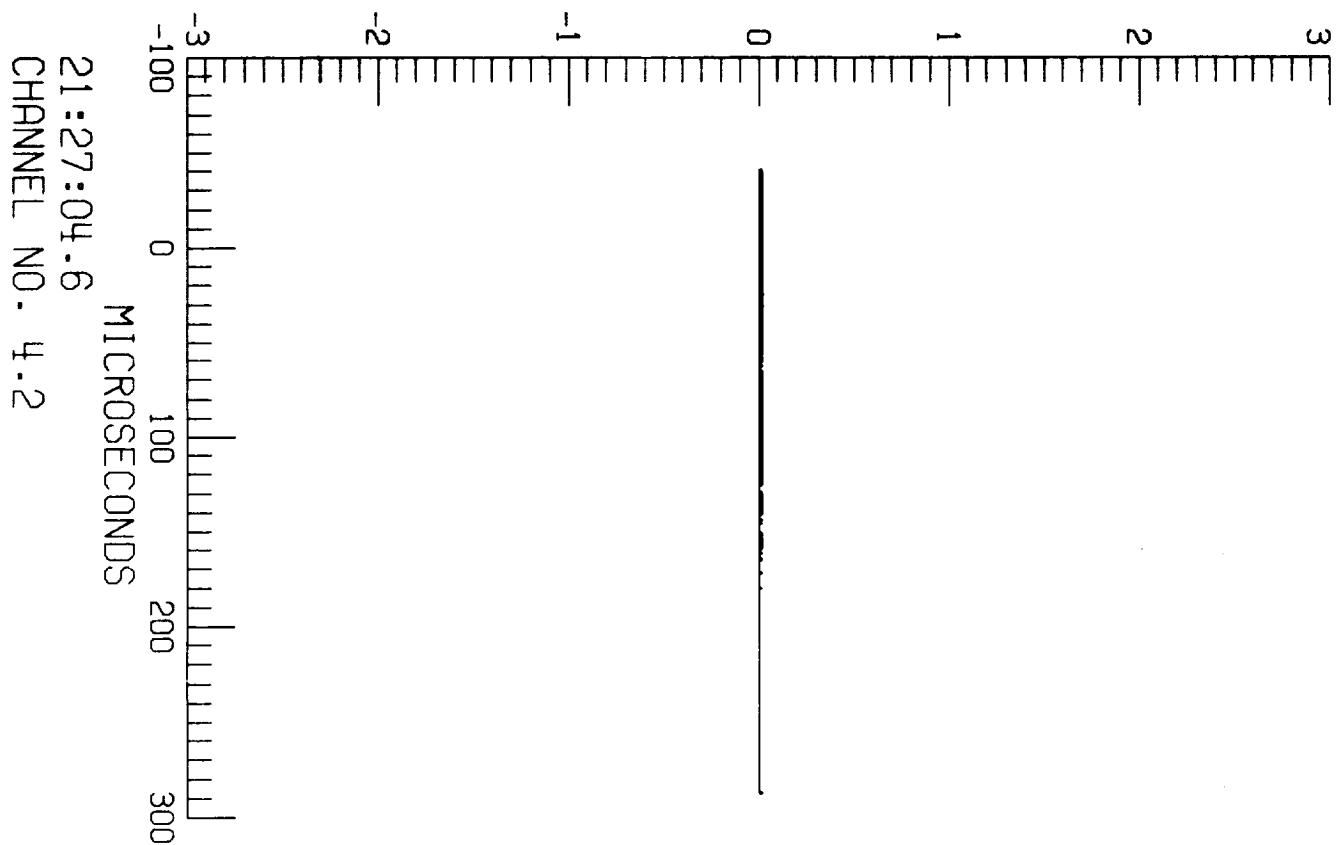
21:27:04.6
CHANNEL NO. 4.1

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP123 A



21:27:04.6
CHANNEL NO. 4.2

F106 LIGHTNING/85-036/ZAEPFEL

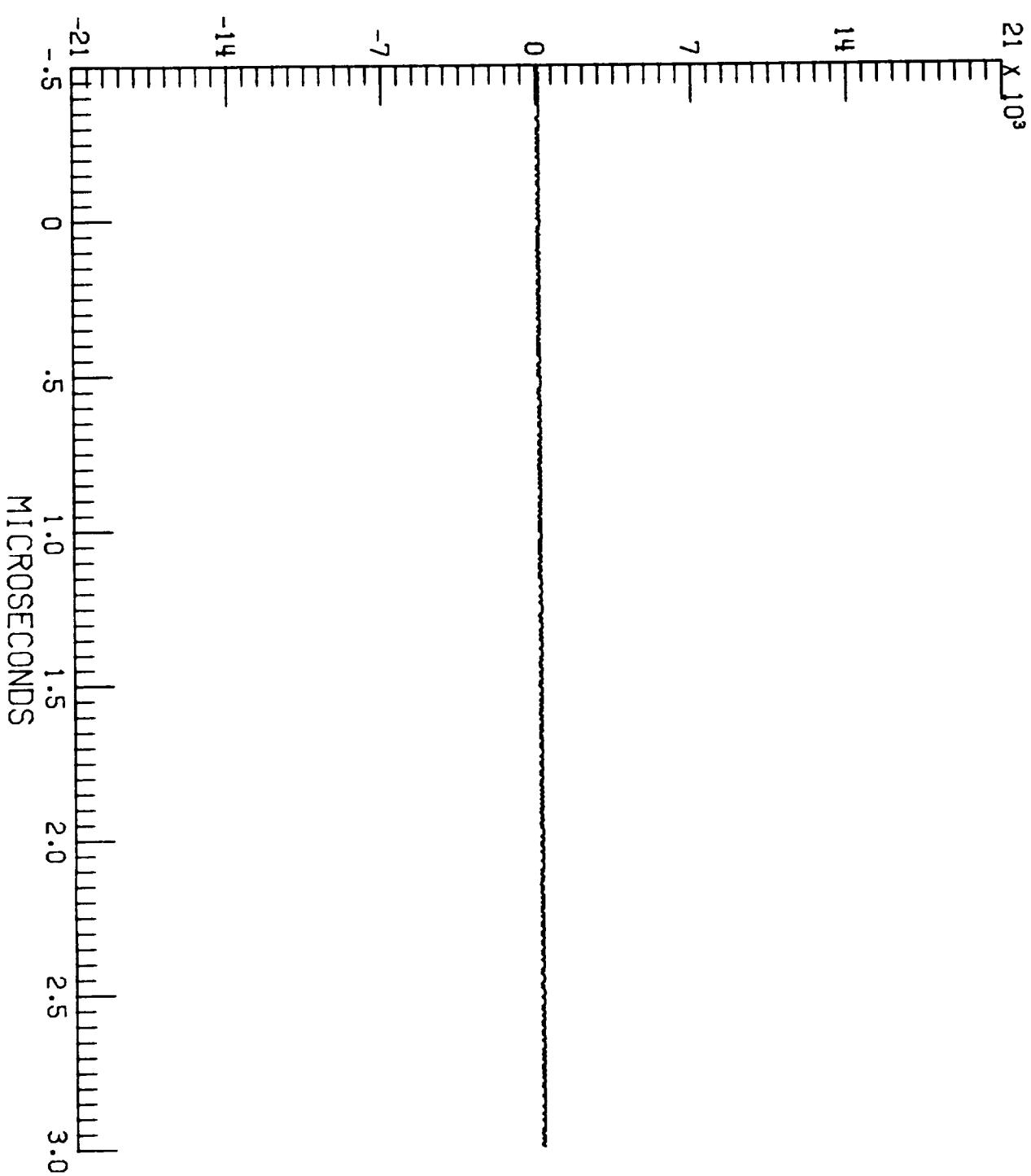
LEC 1 RUN NO. 2

S-002

I_t A

21 $\times 10^3$

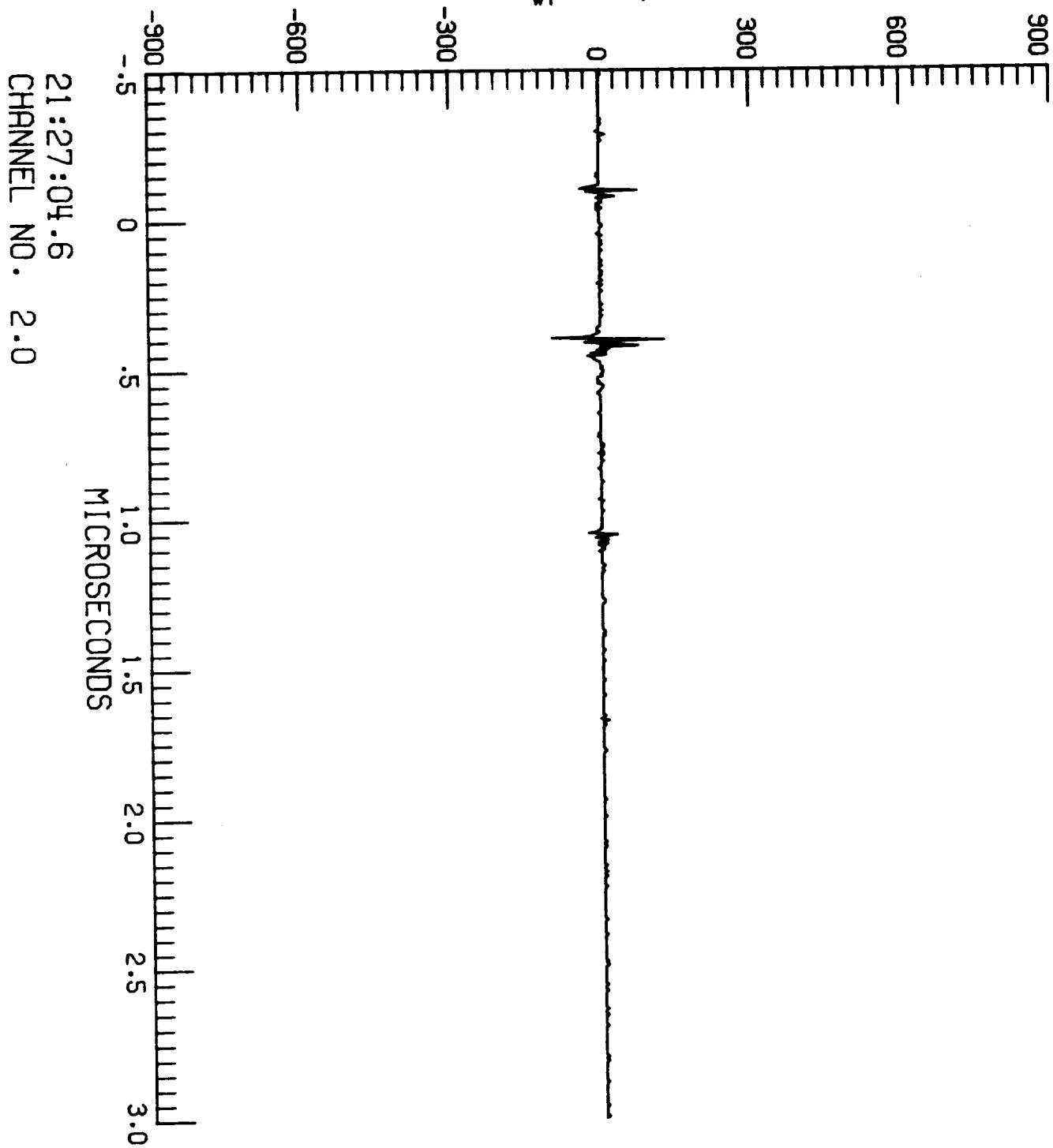
21:27:04.6
CHANNEL NO. 1.2



F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 2

S-002



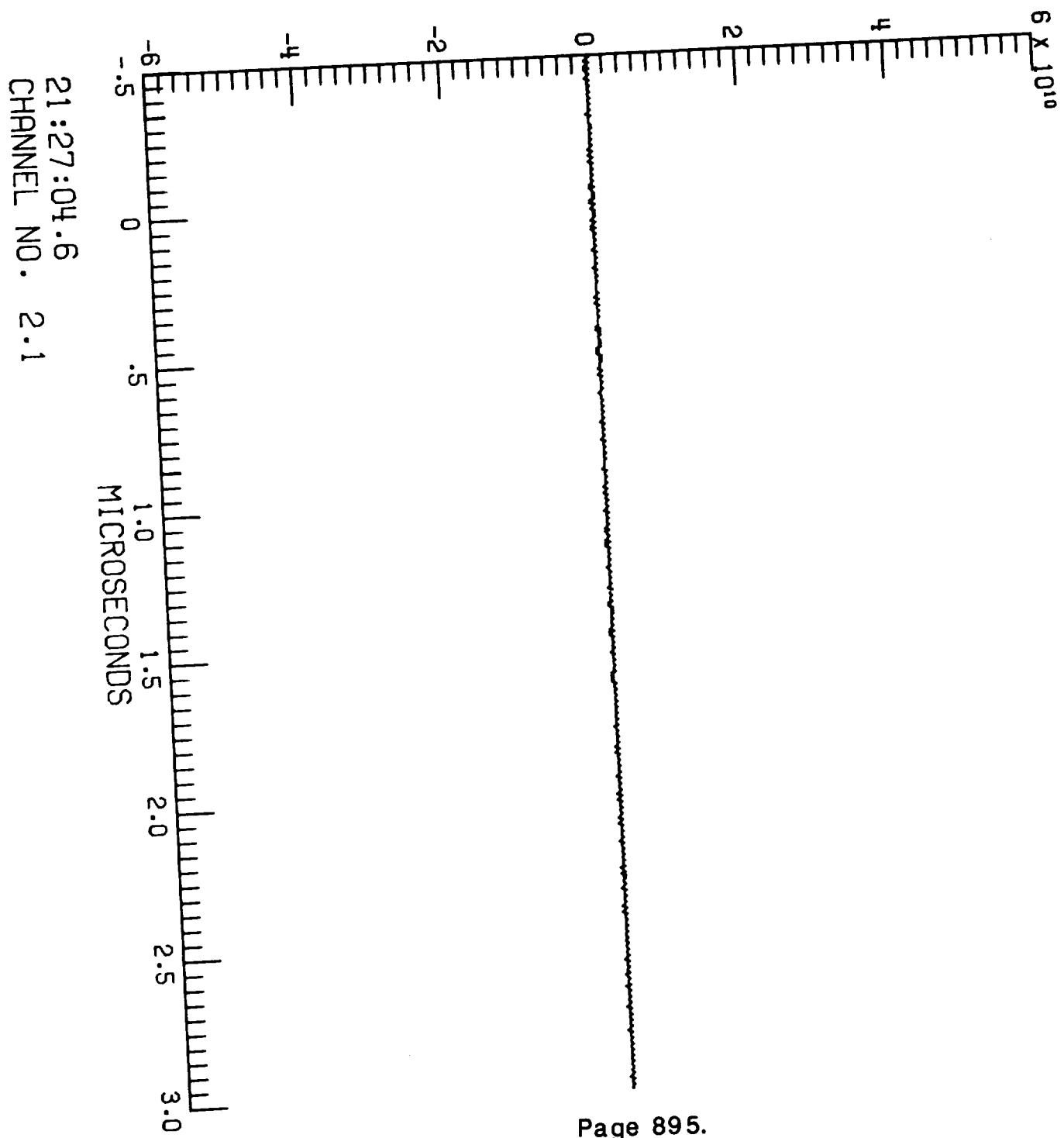
21:27:04.6
CHANNEL NO. 2.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 2

S-002

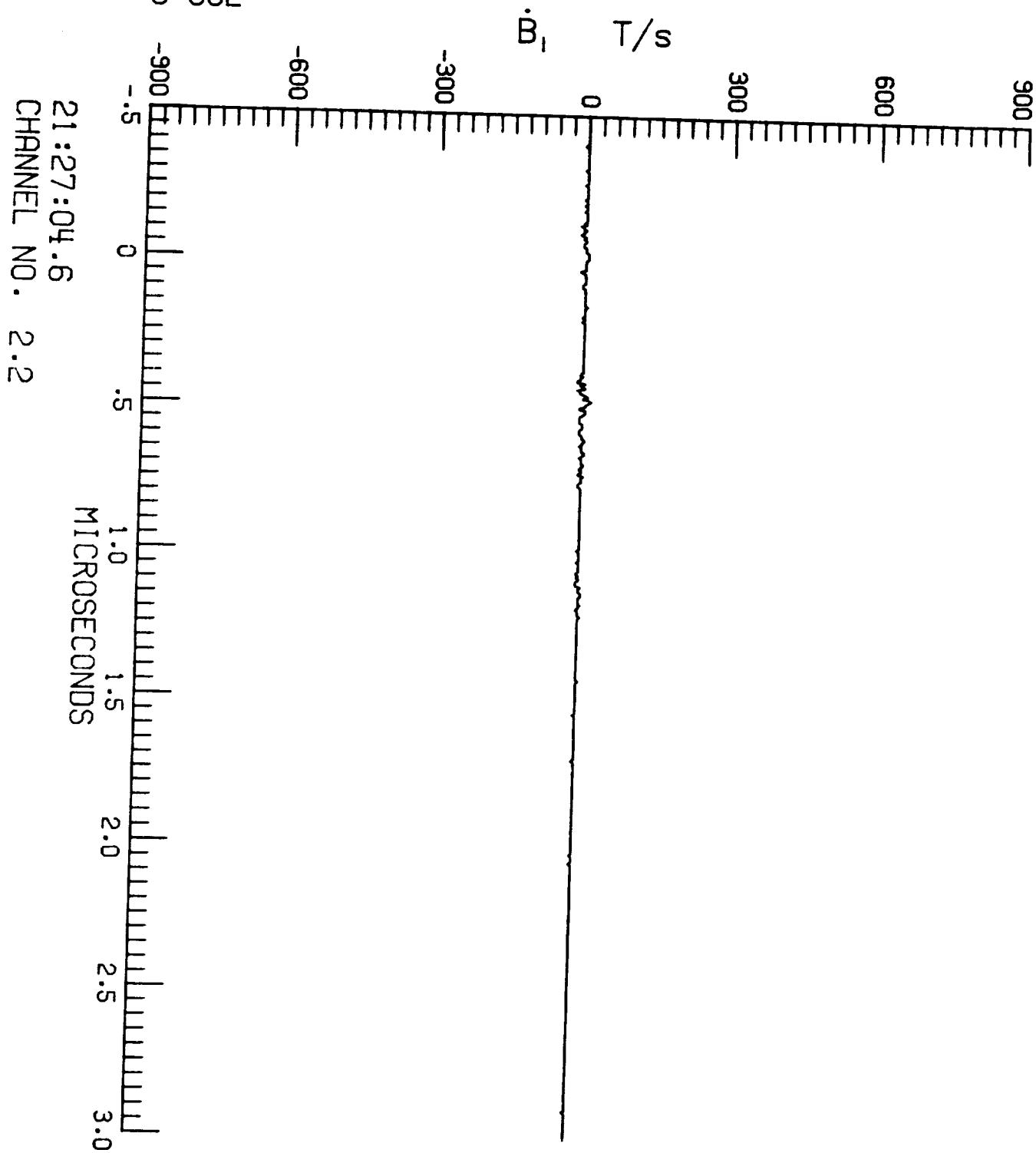
\dot{I} A/s



F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 2

S-002



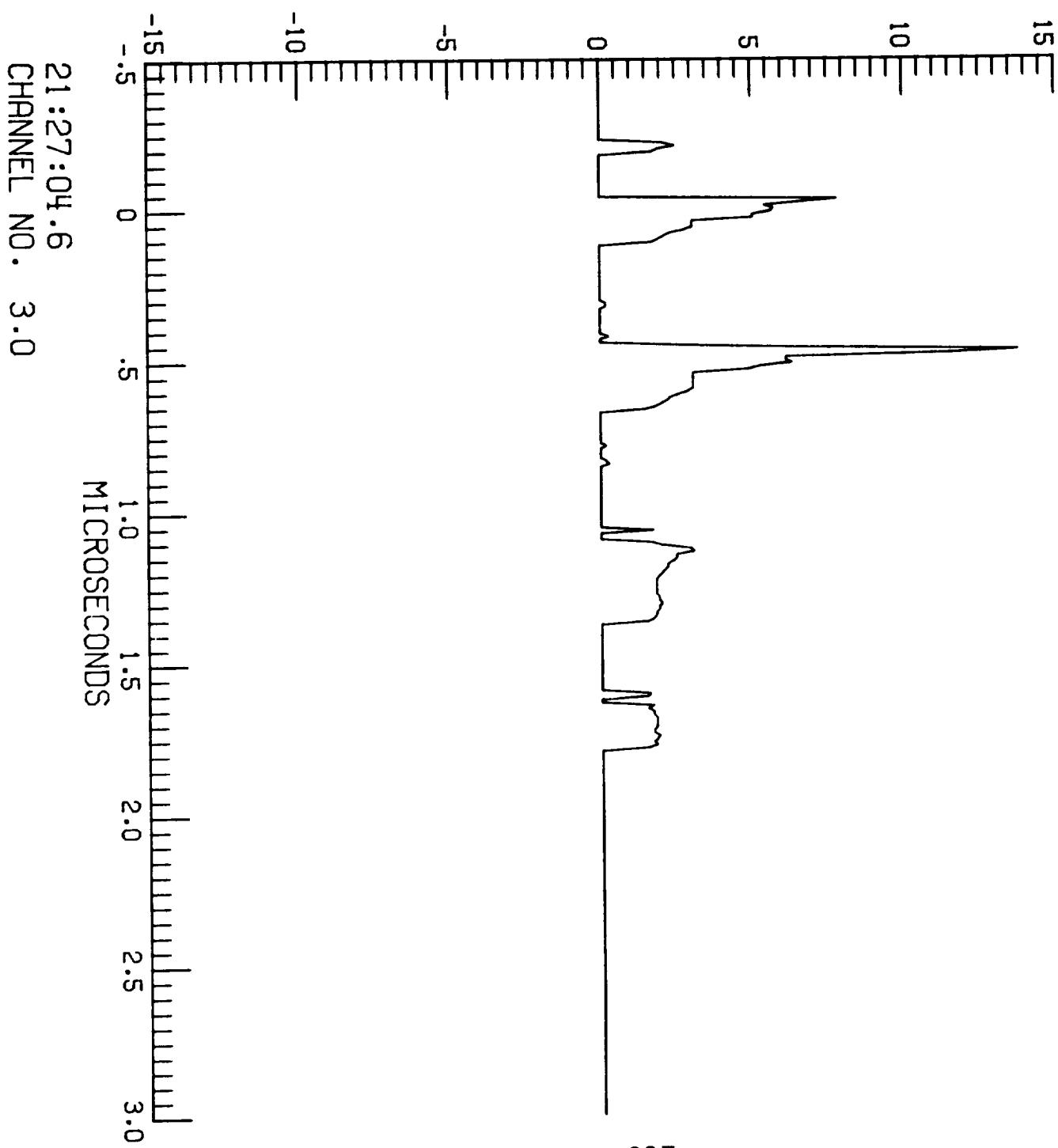
21:27:04.6
CHANNEL NO. 2.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

S-002

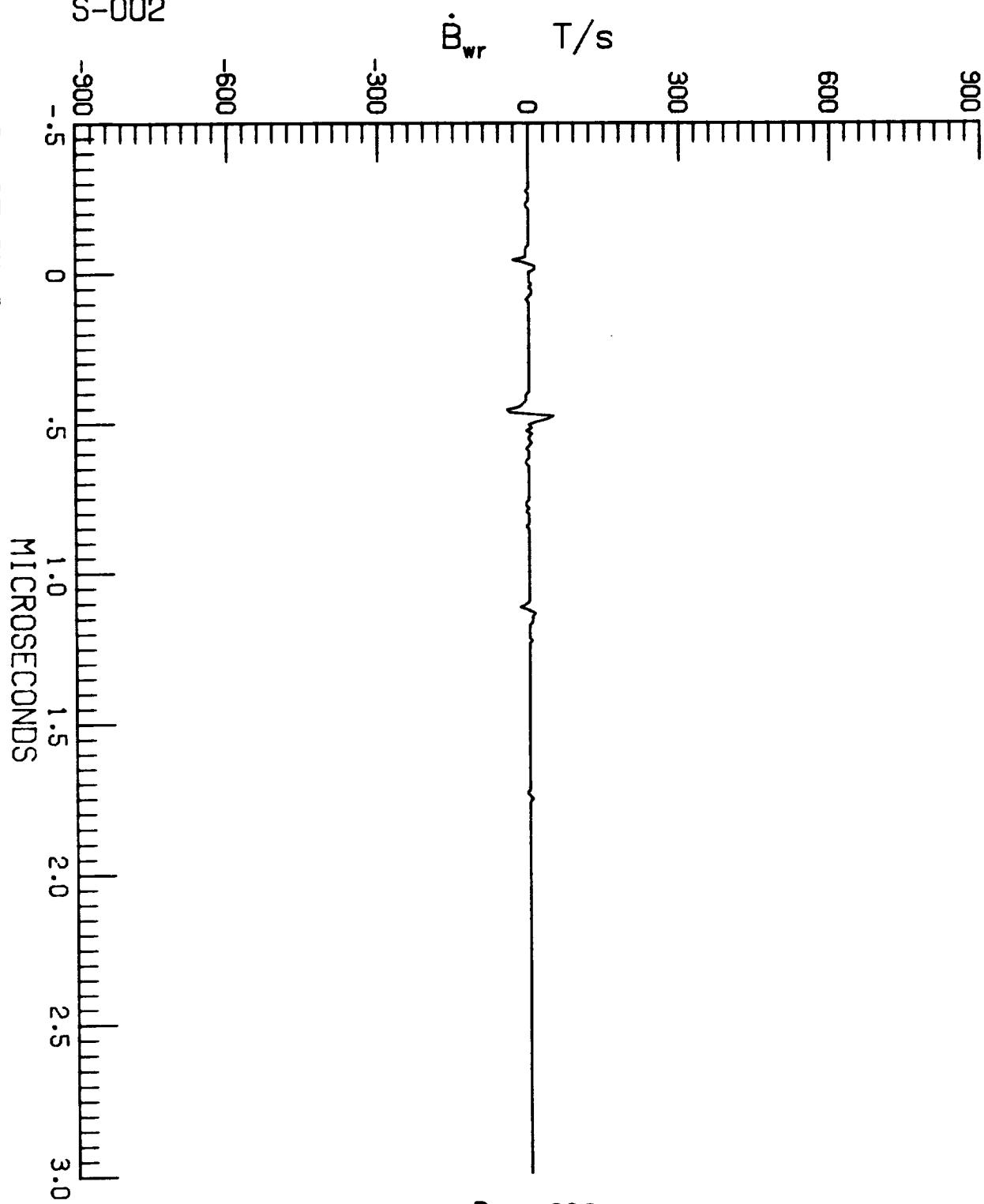
\dot{D}_{wr} A/m²



F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

S-002



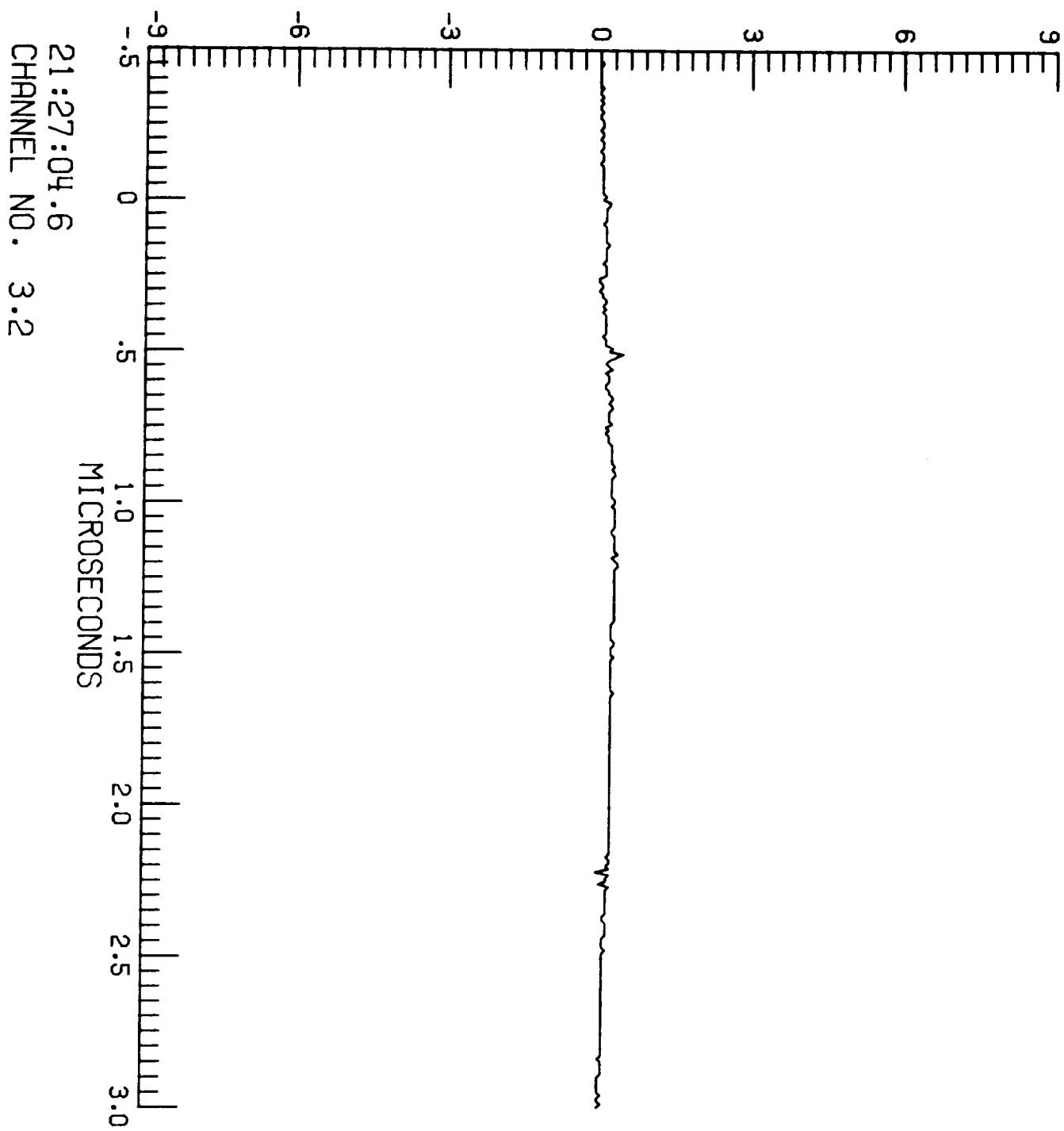
21:27:04.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_f A/m²

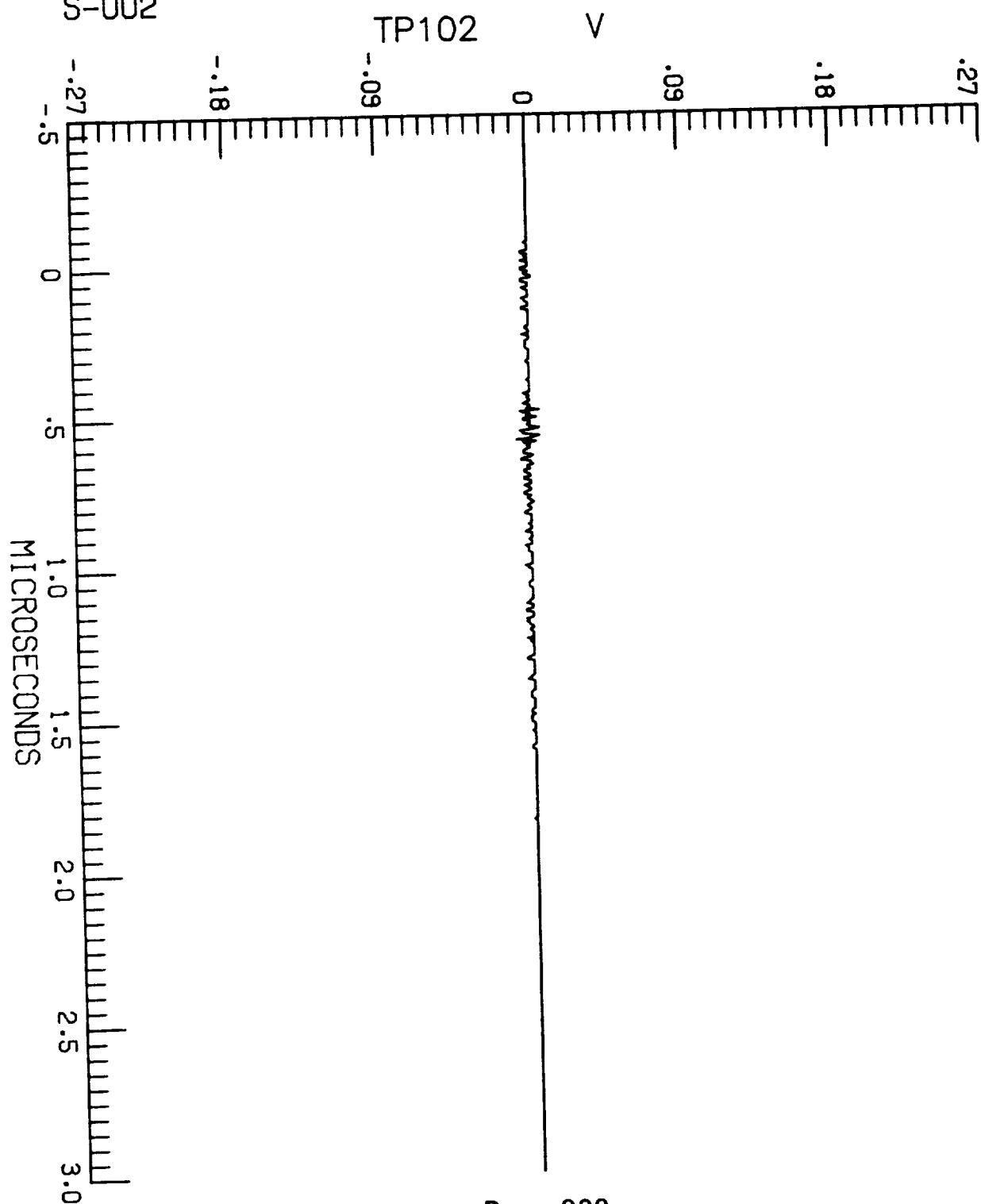


21:27:04.6
CHANNEL NO. 3.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 2

S-002



21:27:04.6
CHANNEL NO. 4.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 2

S-002

TP105

A

.27

.09

.18

-.18

-.09

0

-.27

21:27:04.6
CHANNEL NO. 4.1

-.5

.5

1.0

1.5

2.0

2.5

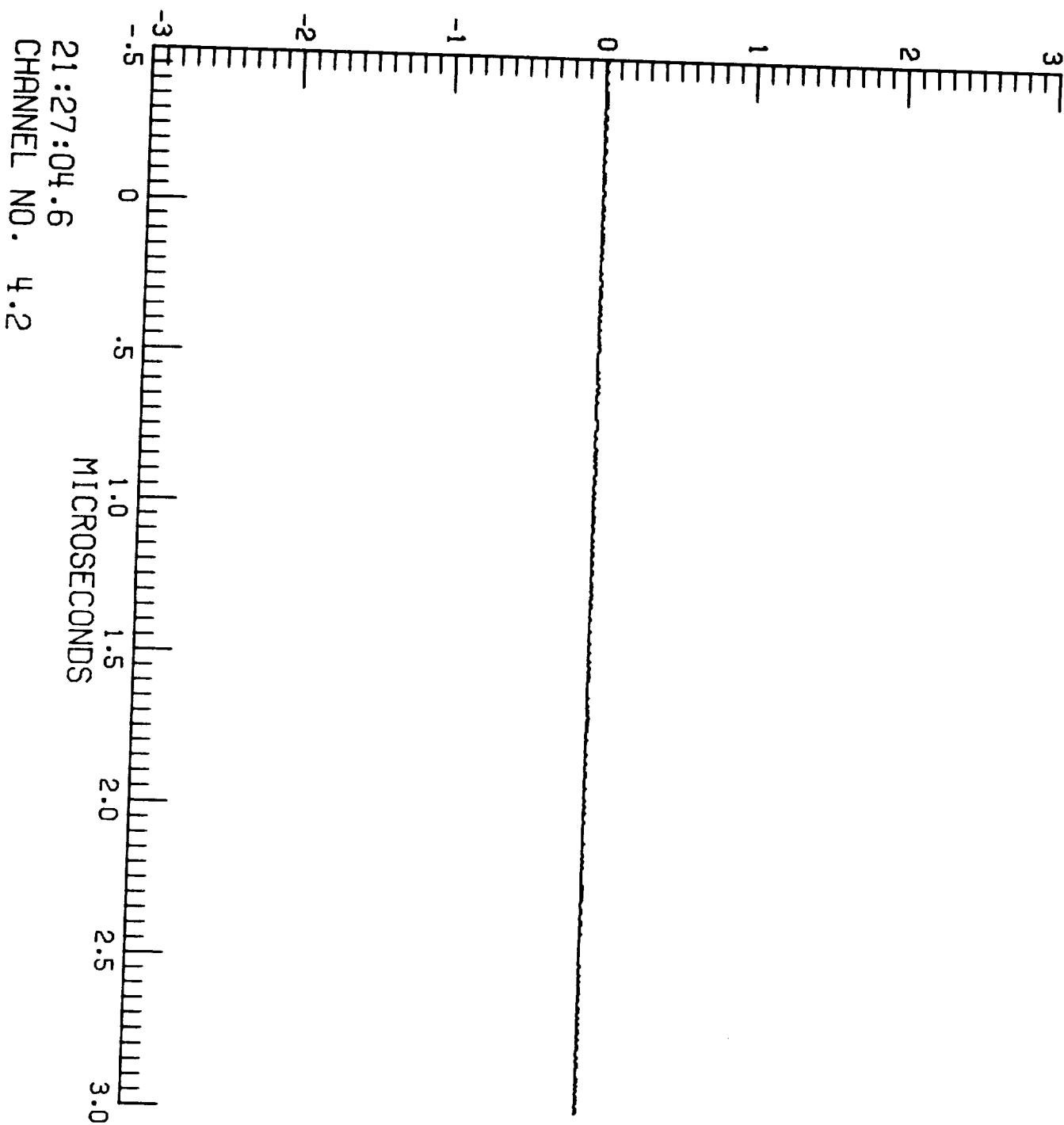
3.0

MICROSECONDS

F106 LIGHTNING/85-036/ZAEPFEL
LEC 4 RUN NO. 2
S-002

TP123

A

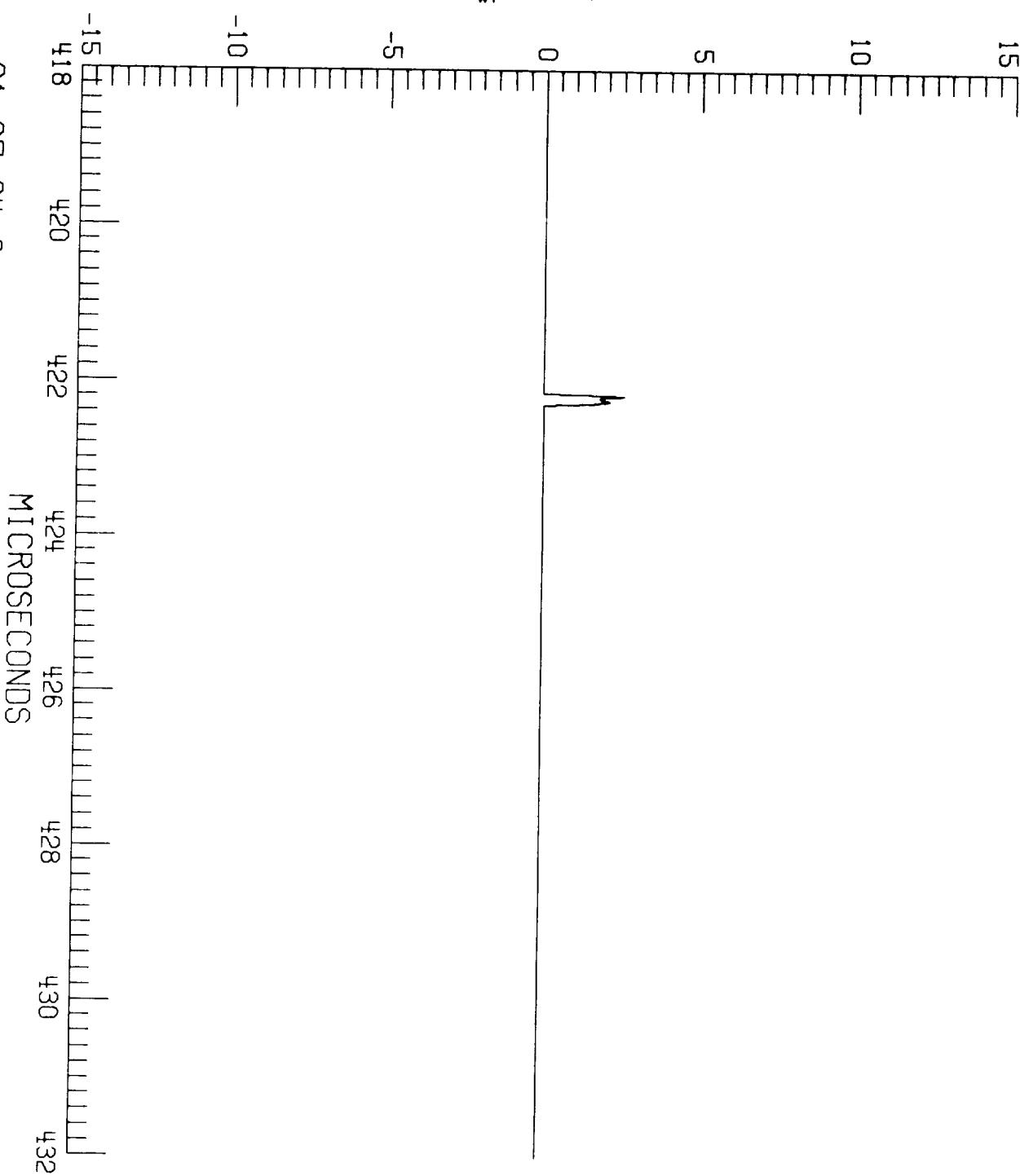


F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

S-002

\dot{D}_{wr} A/m²

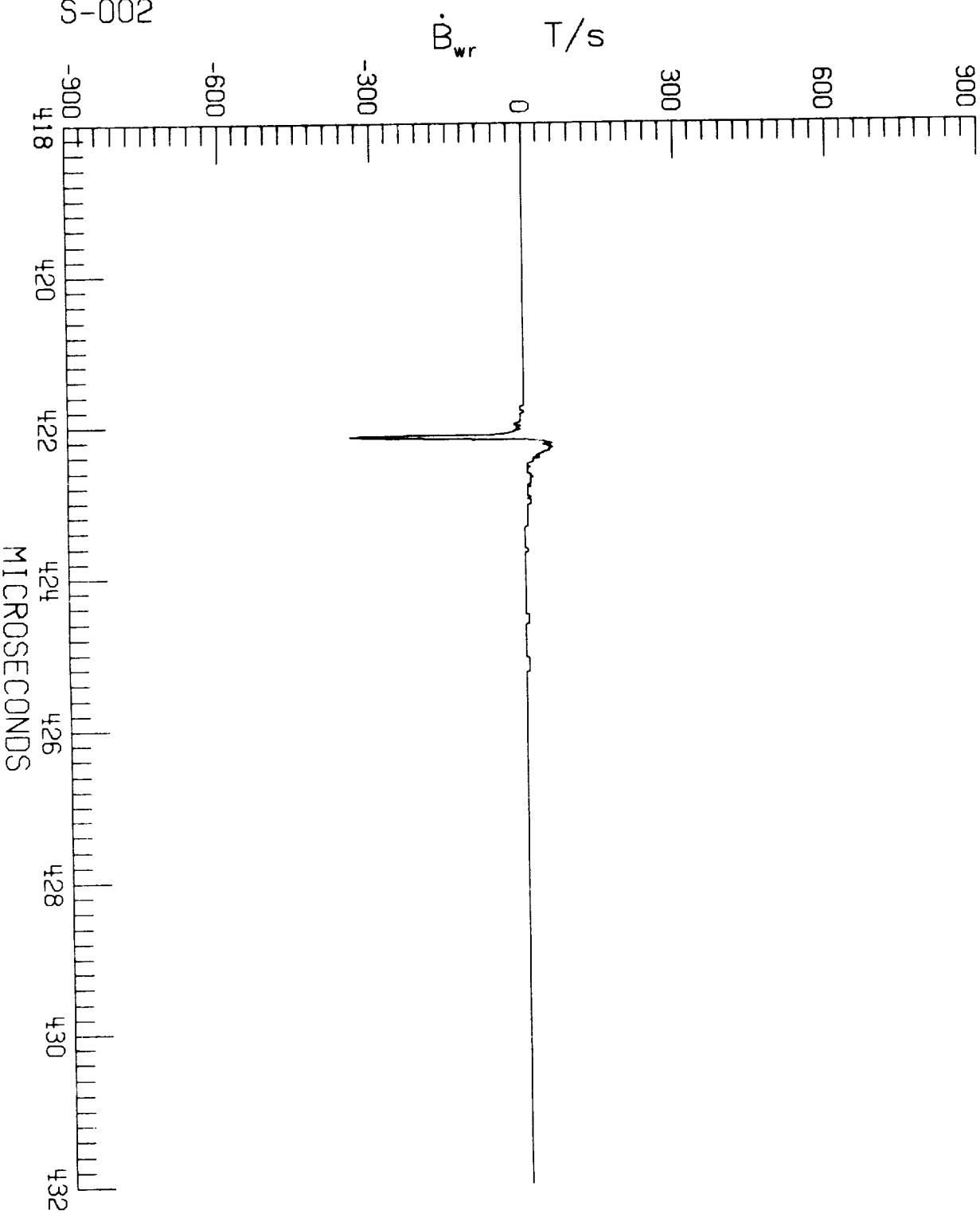


21:27:04.6
CHANNEL NO. 3.0

F106 LIGHTNING/85-036/ZAEPFEL

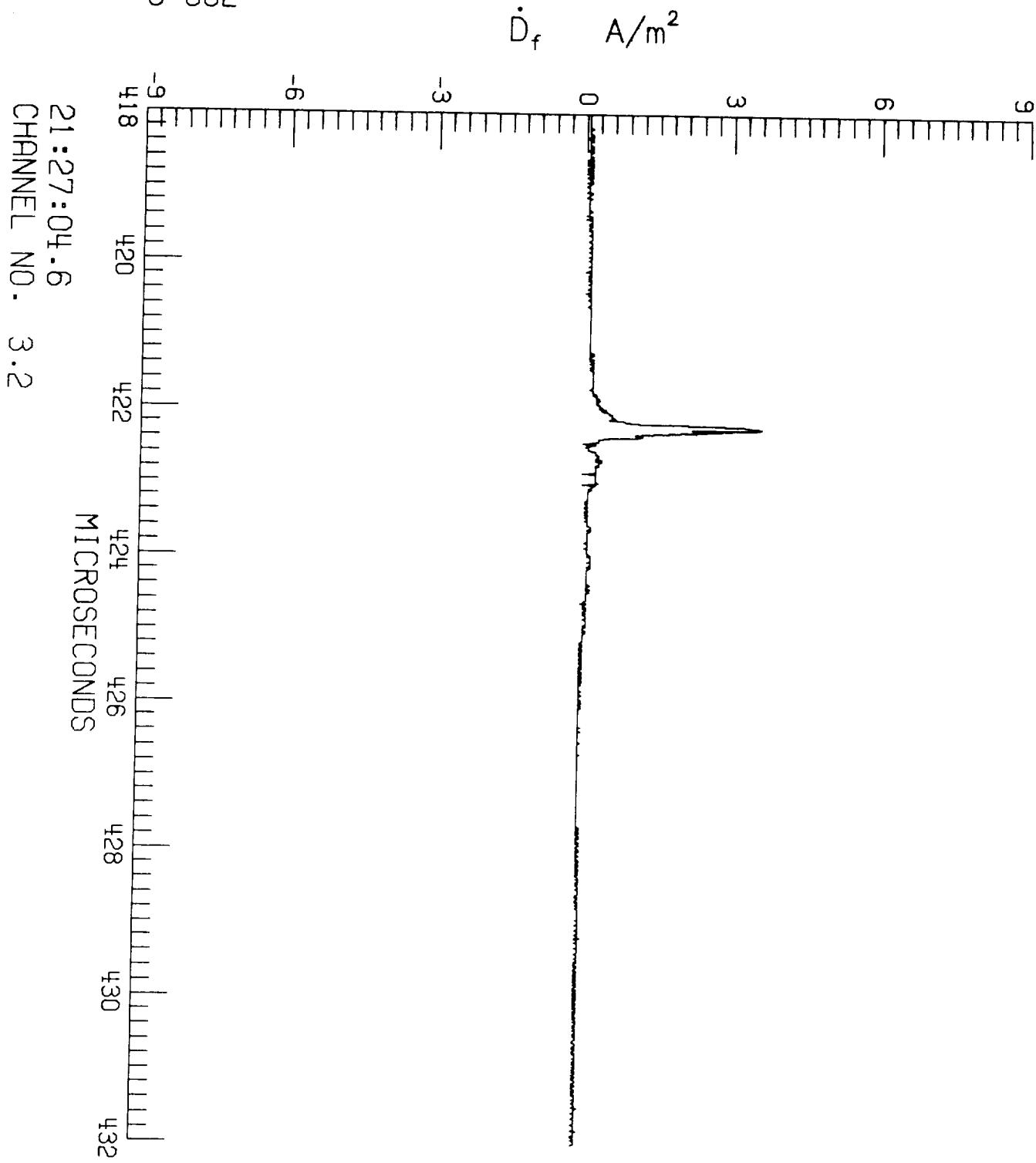
LEC 3 RUN NO. 2

S-002



21:27:04.6
CHANNEL NO. 3.1

F106 LIGHTNING/85-036/ZAEPFEL
LEC 3 RUN NO. 2
S-002

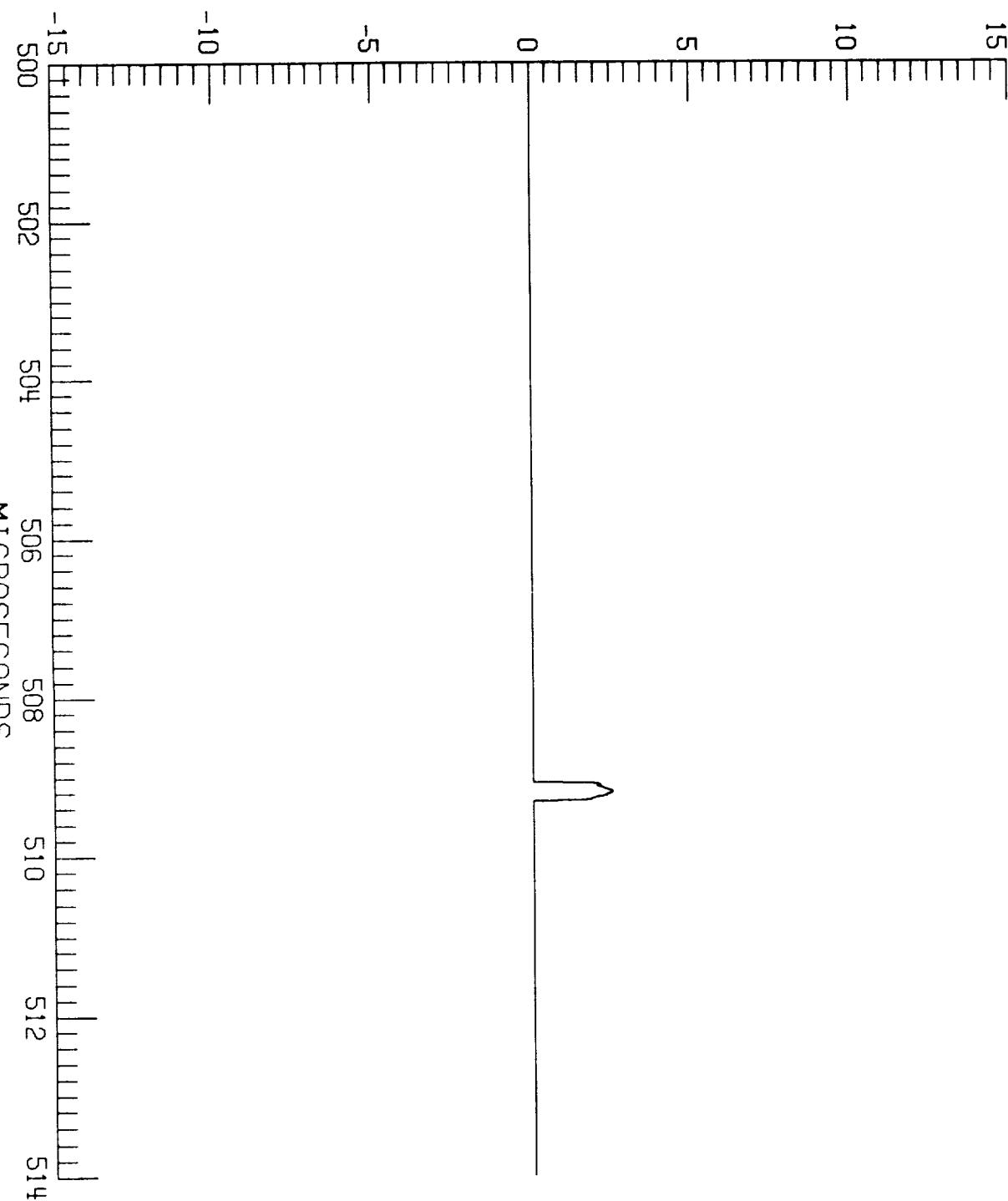


F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 2

S-002

D_{wr} A/m²

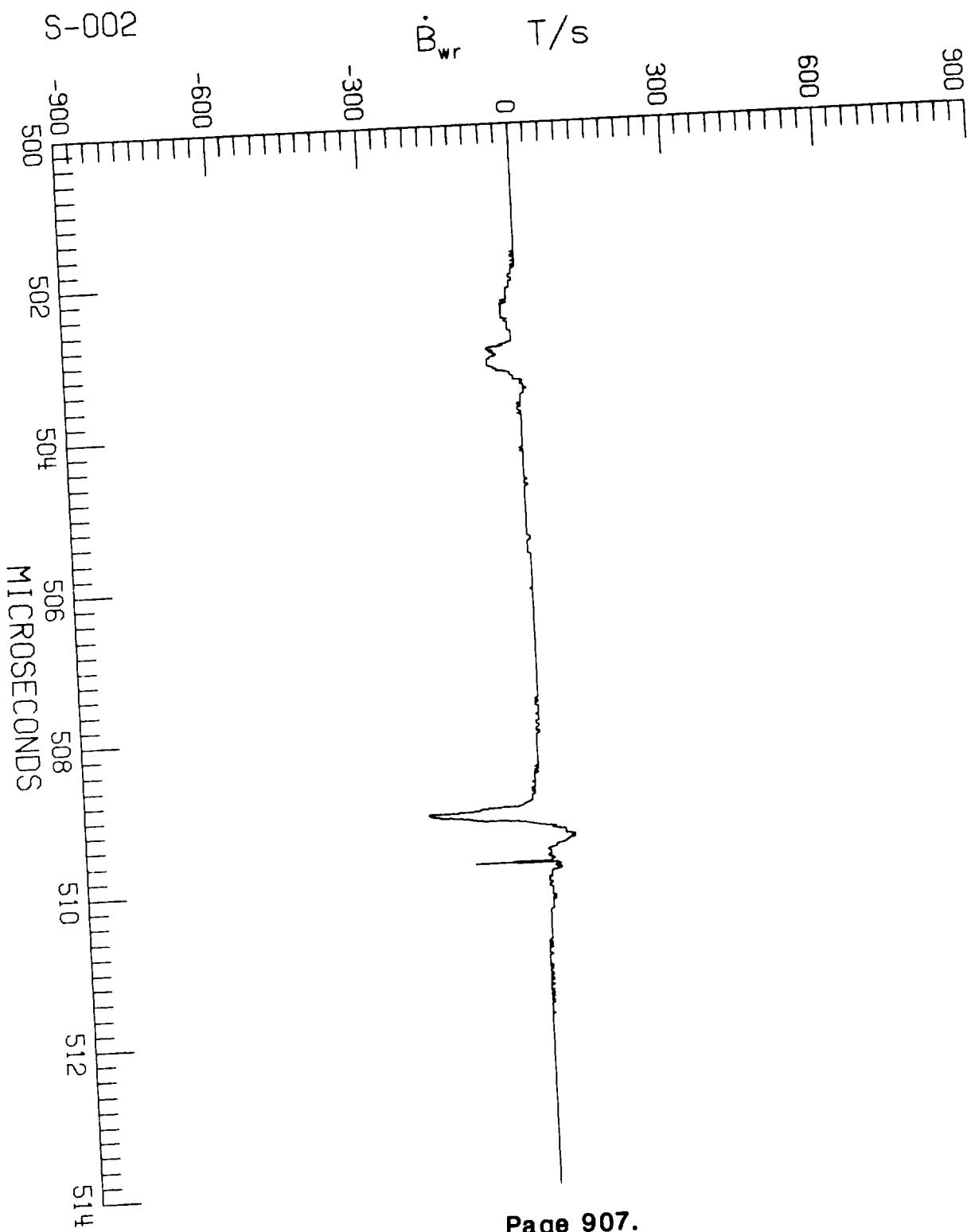


F106 LIGHTNING/85-036/ZAEPFEL

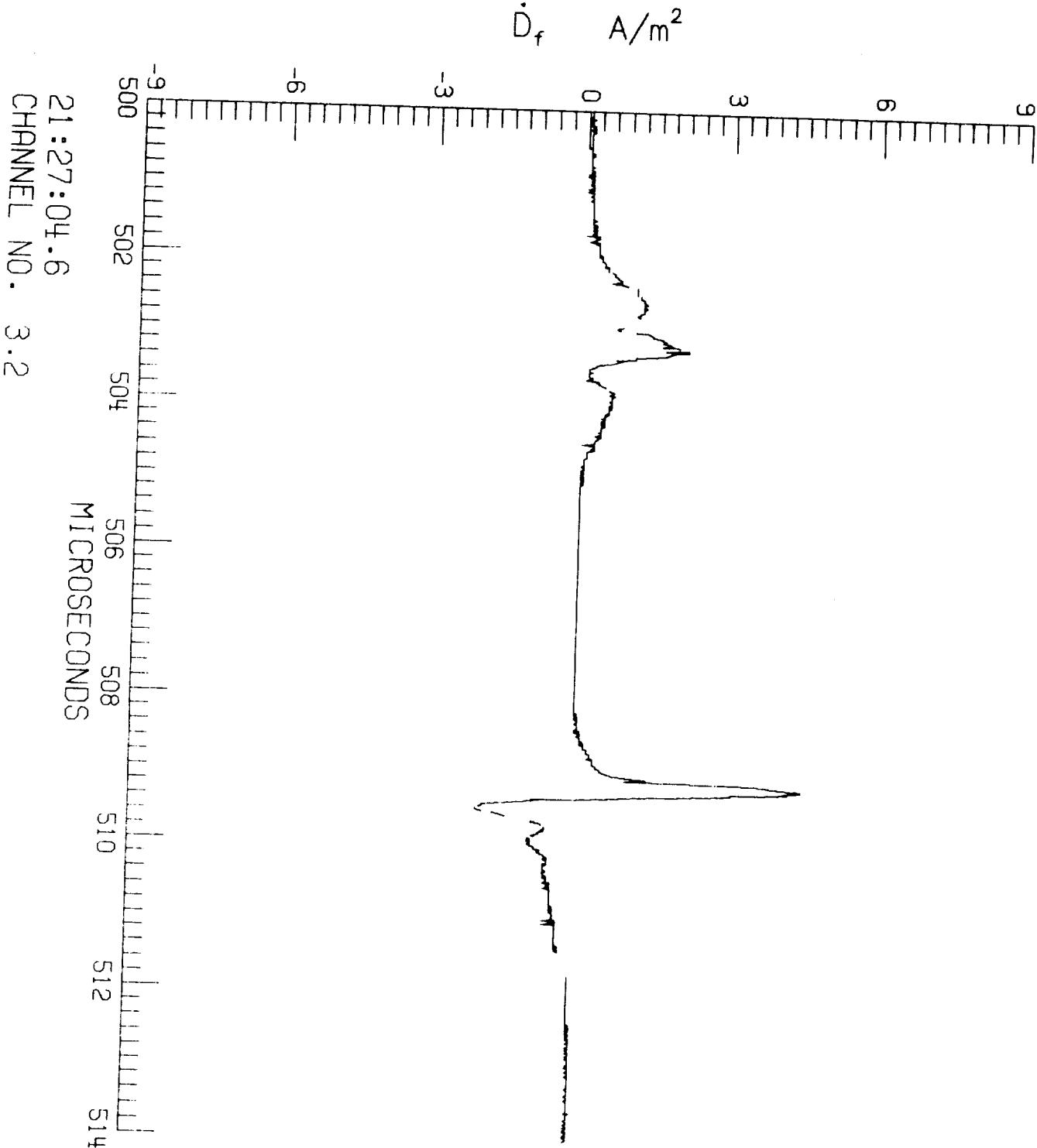
LEC 3 RUN NO. 2

S-002

21:27:04-6
CHANNEL NO. 3.1



F106 LIGHTNING/85-036/ZAEPFEL
LEC 3 RUN NO. 2
S-002



F106 LIGHTNING/85-036/ZAEPFEL

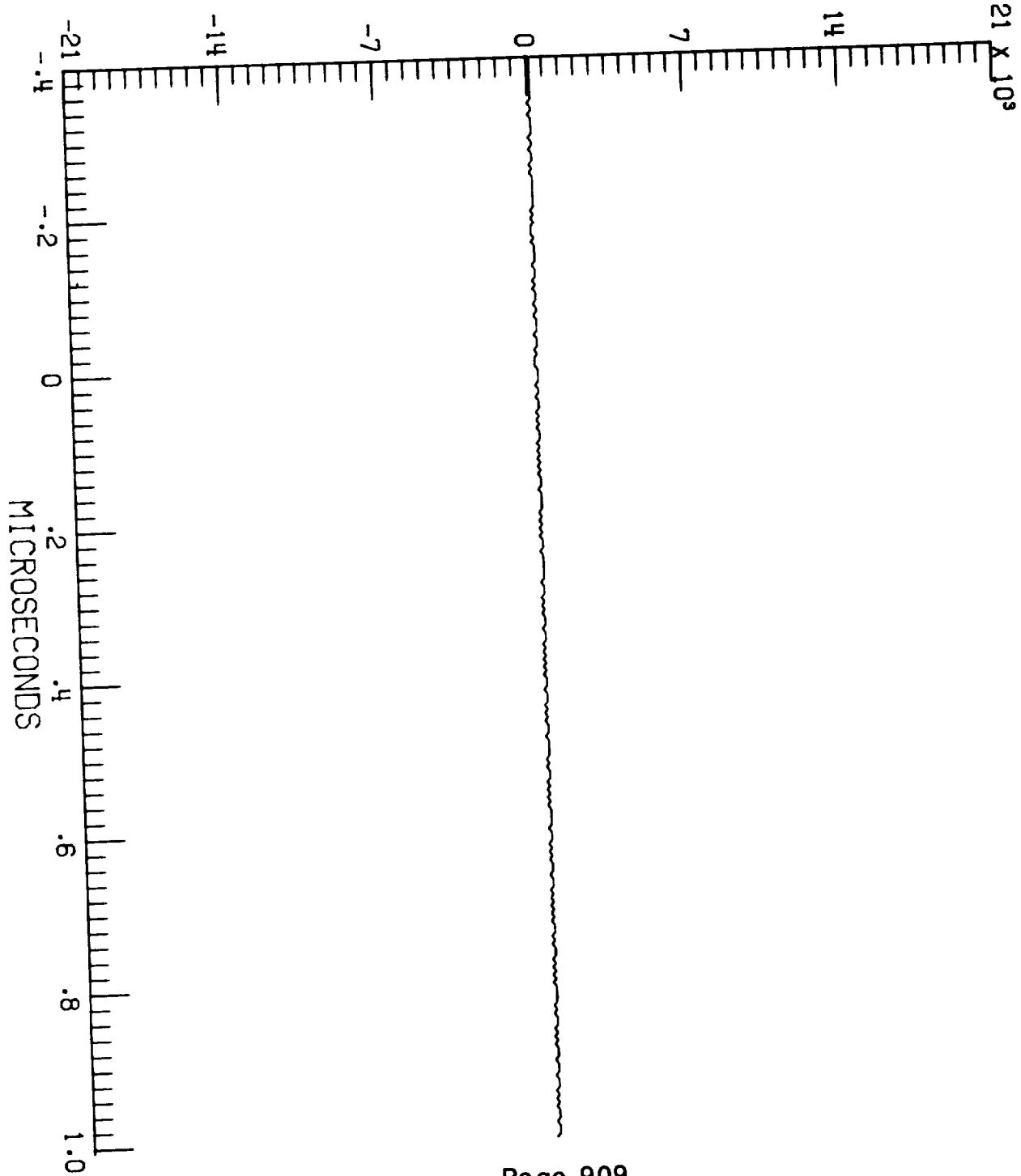
LEC 1 RUN NO. 3

S-003

I_t A

21×10^3

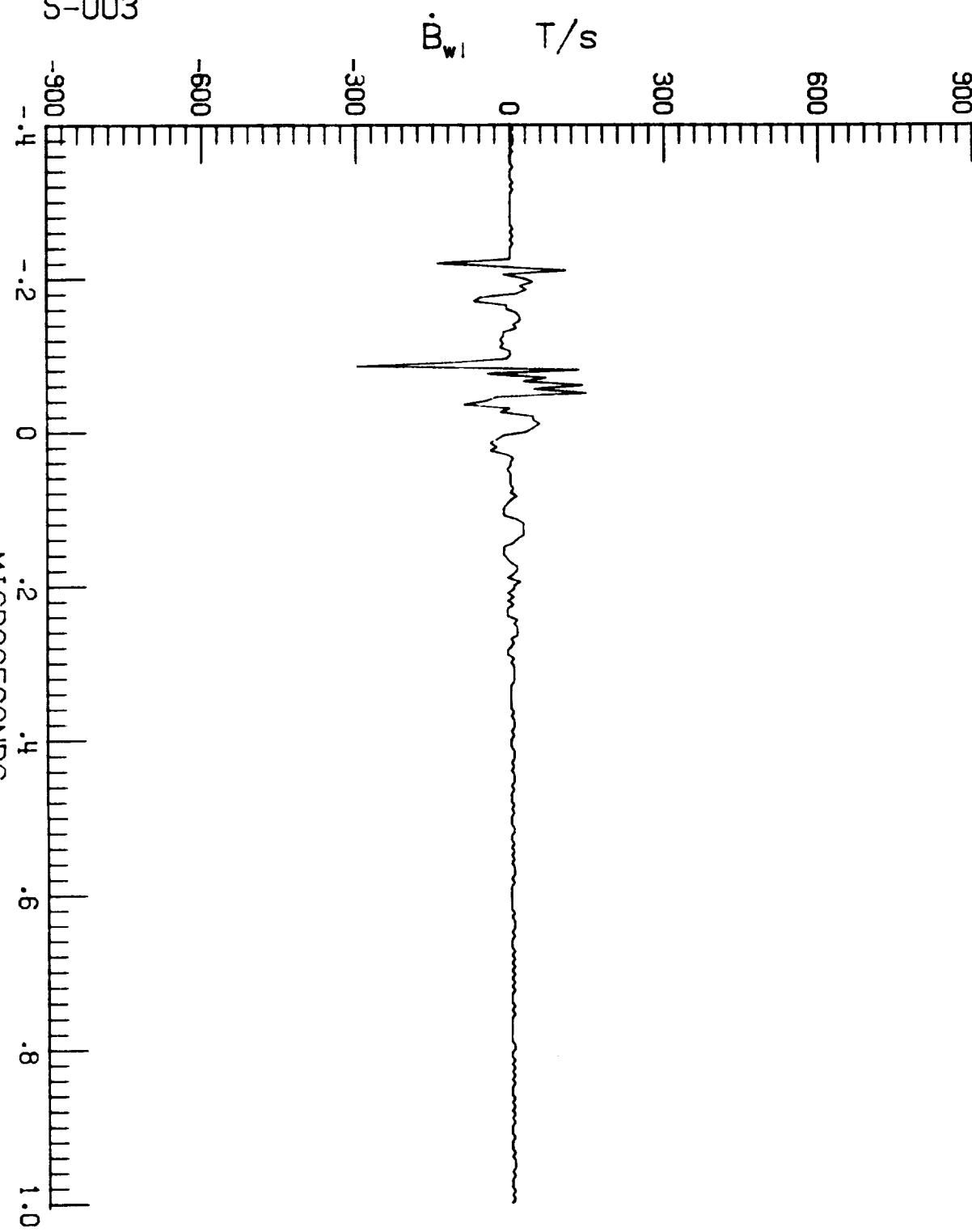
21:35:42.5
CHANNEL NO. 1.2



F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 3

S-003



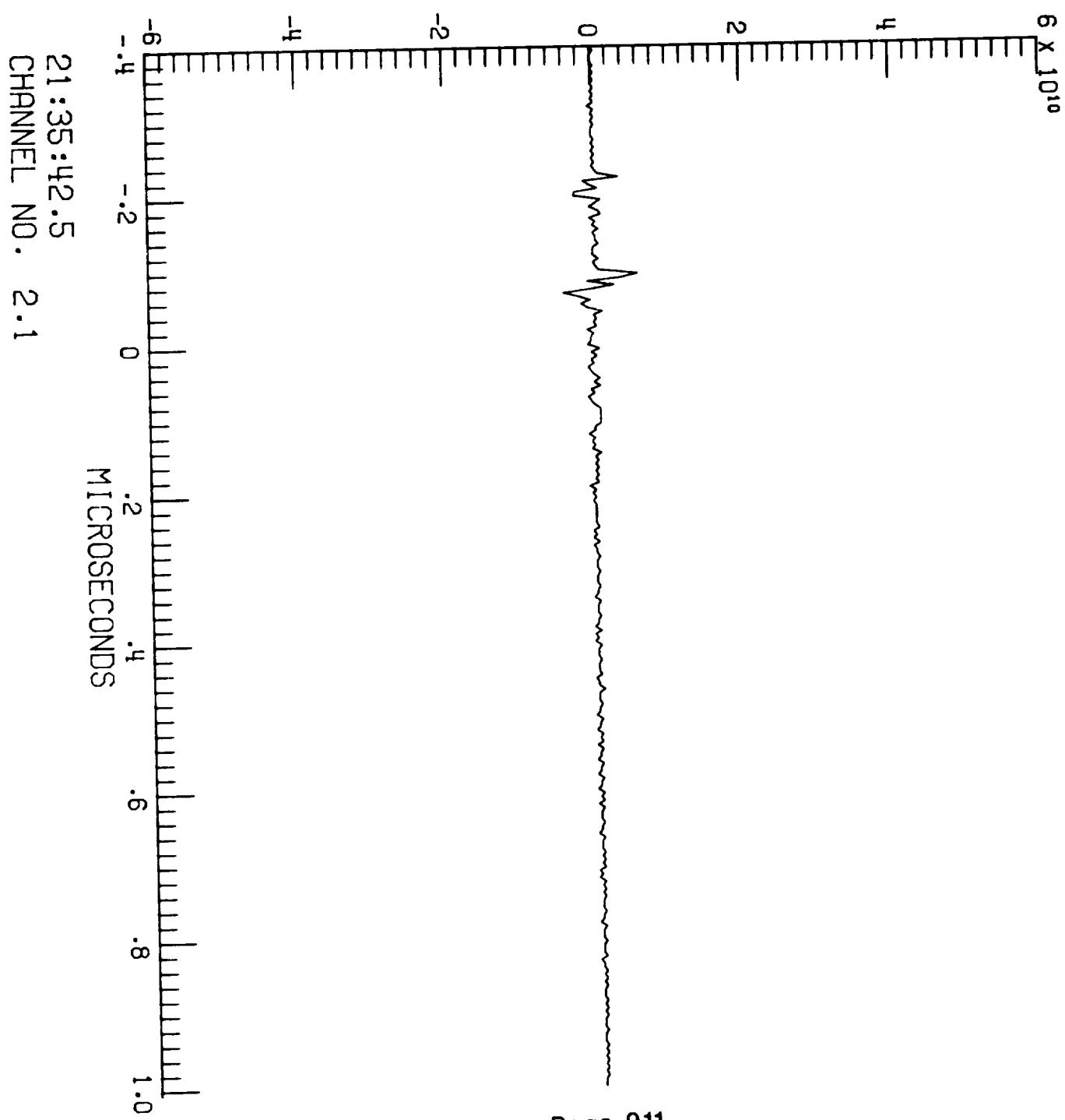
21:35:42.5
CHANNEL NO. 2.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 3

S-003

\dot{I} A/s

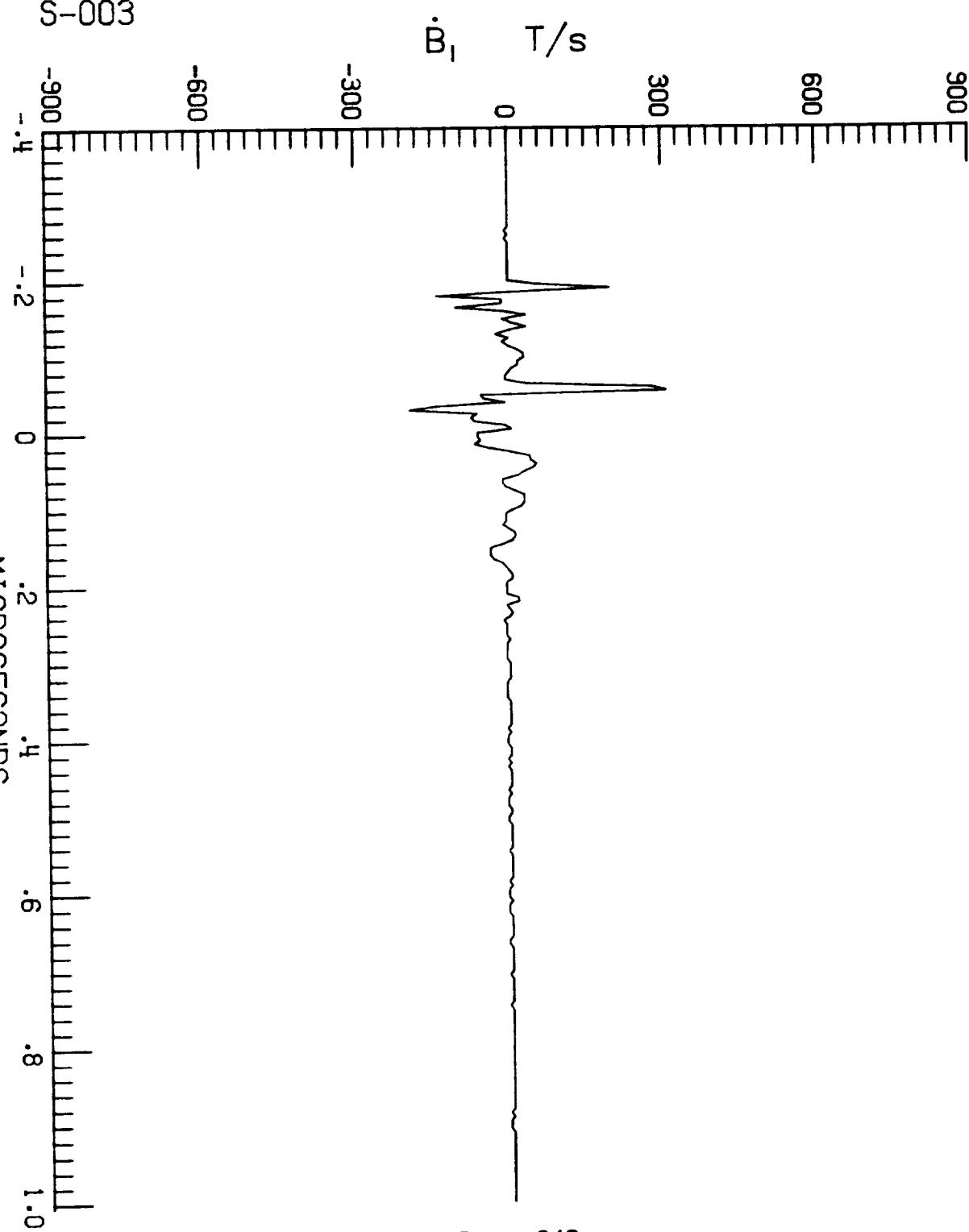


21:35:42.5
CHANNEL NO. 2.1

F106 LIGHTNING/85-036/ZAEPFEL

LEC 2 RUN NO. 3

S-003



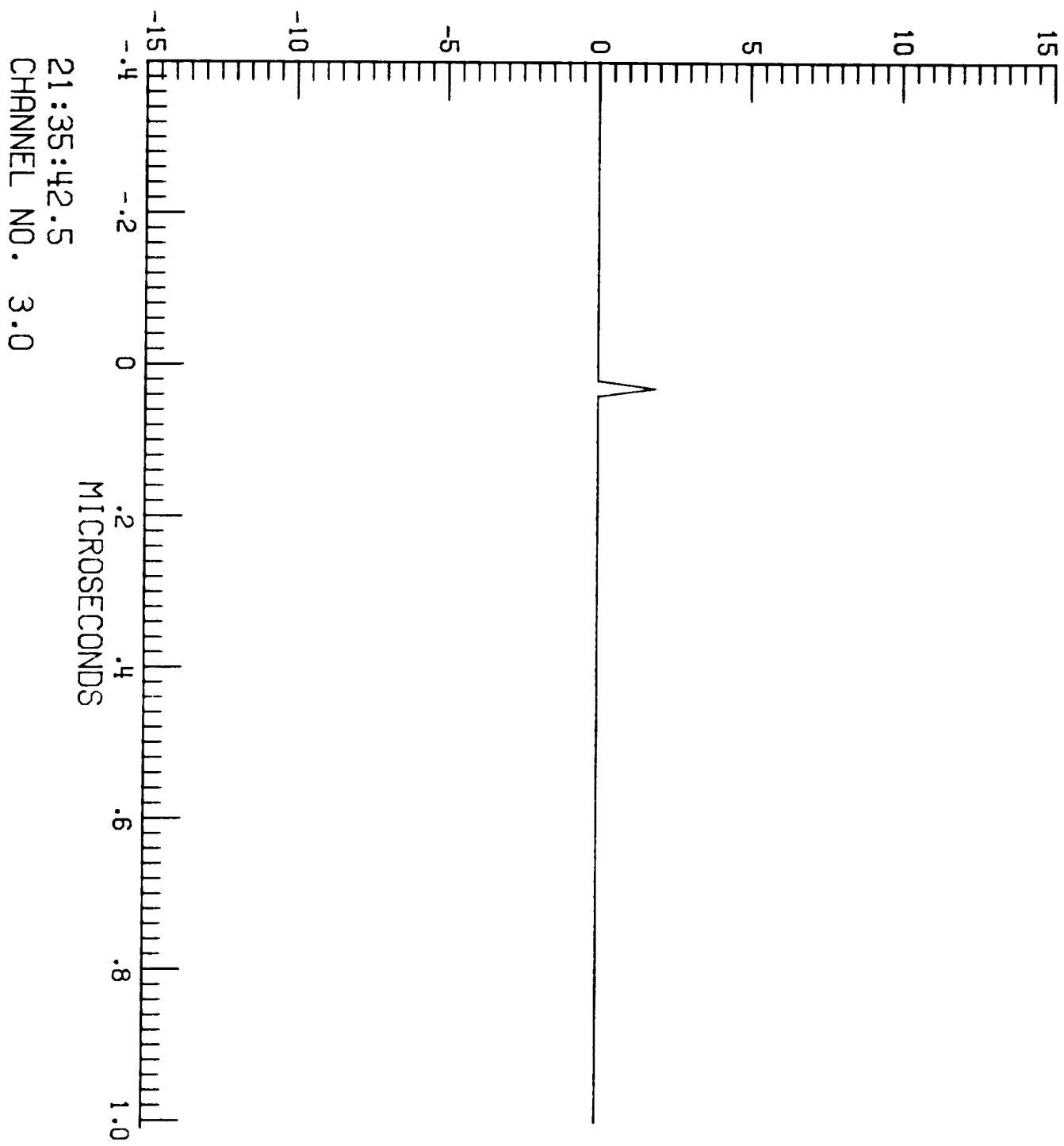
21:35:42.5
CHANNEL NO. 2.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_{wr} A/m²

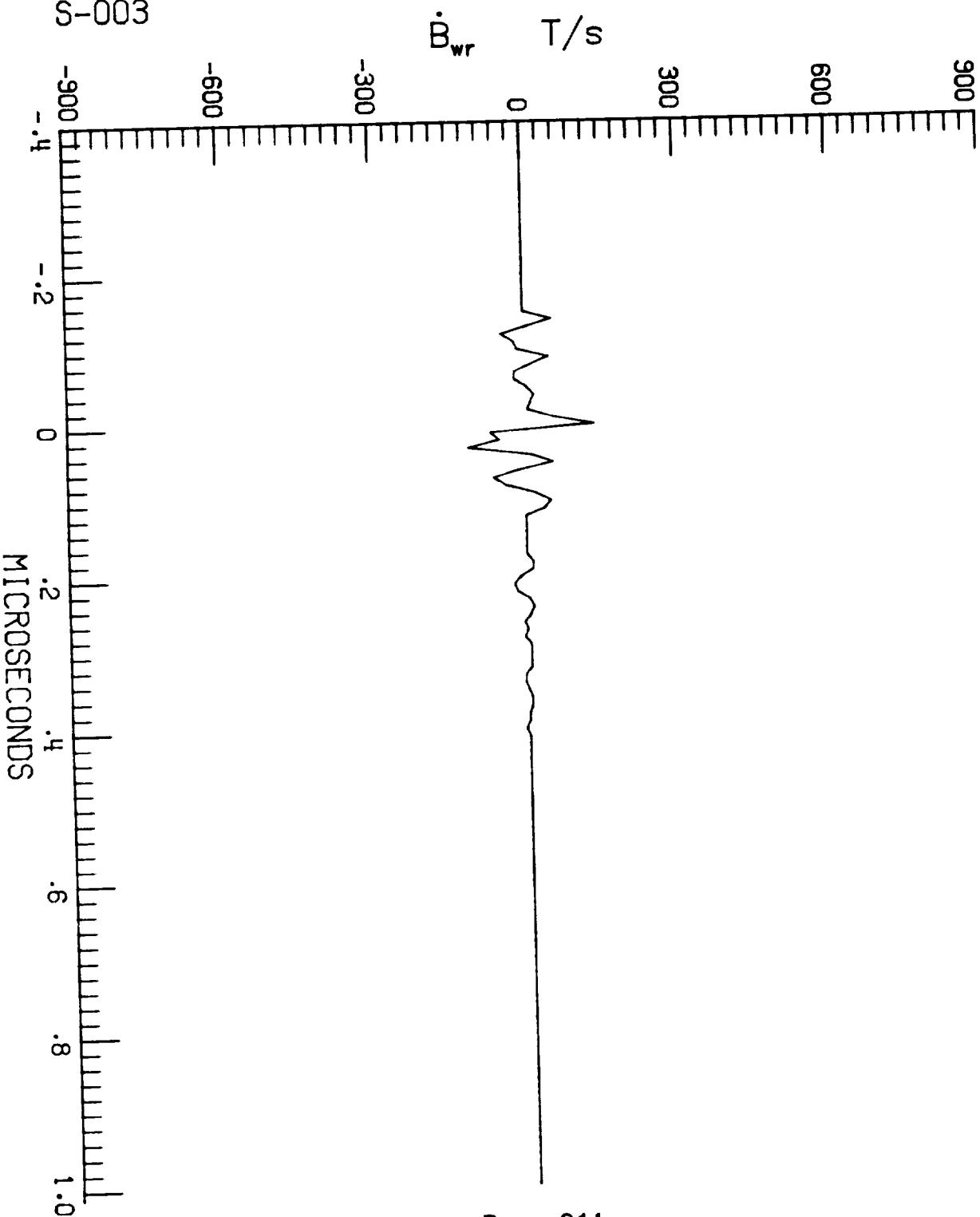


21:35:42.5
CHANNEL NO. 3.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 3

S-003



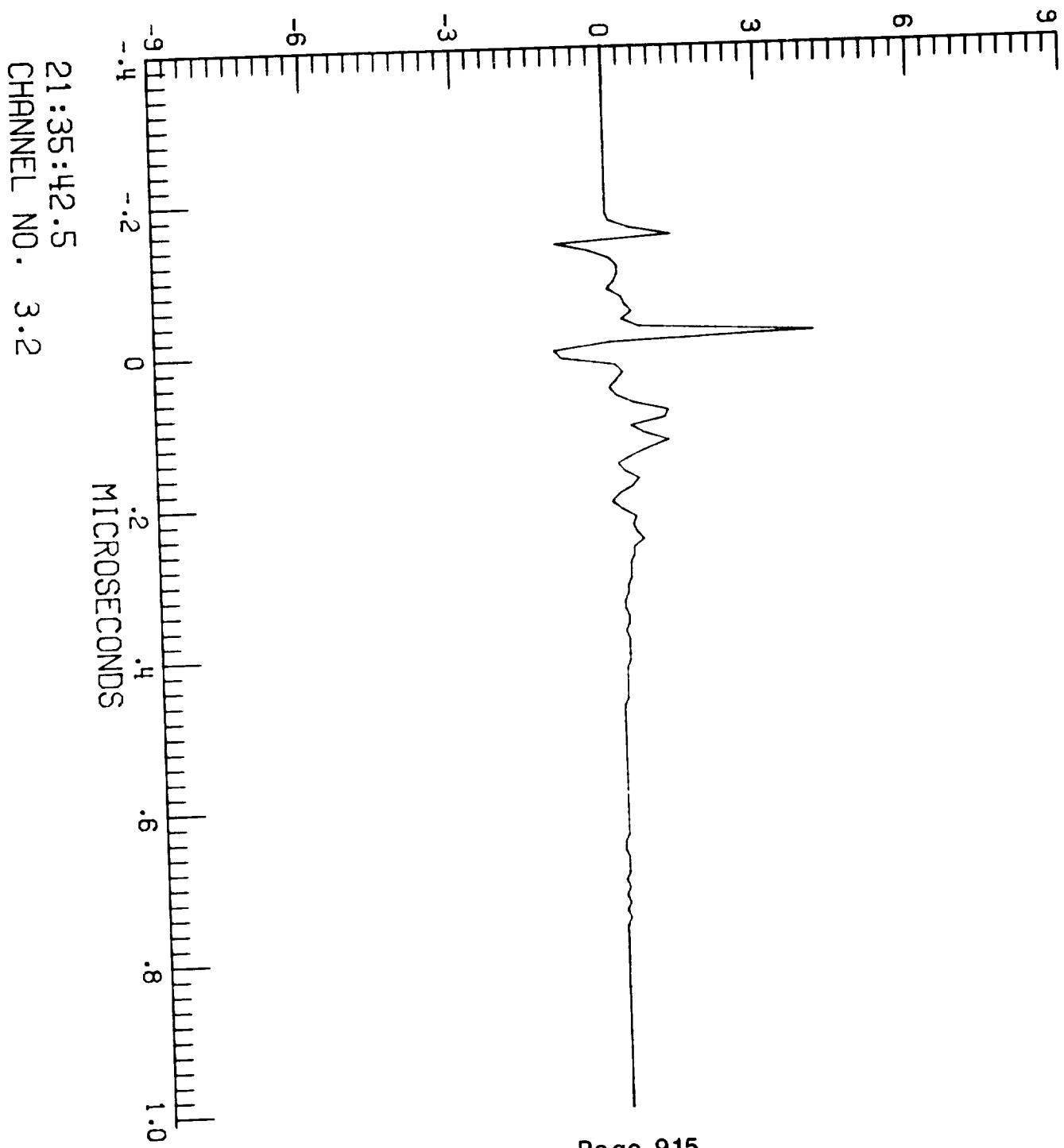
21:35:42.5
CHANNEL NO. 3.1

F106 LIGHTNING/85-036/ZAEPFEL

LEC 3 RUN NO. 3

S-003

\dot{D}_f A/m²

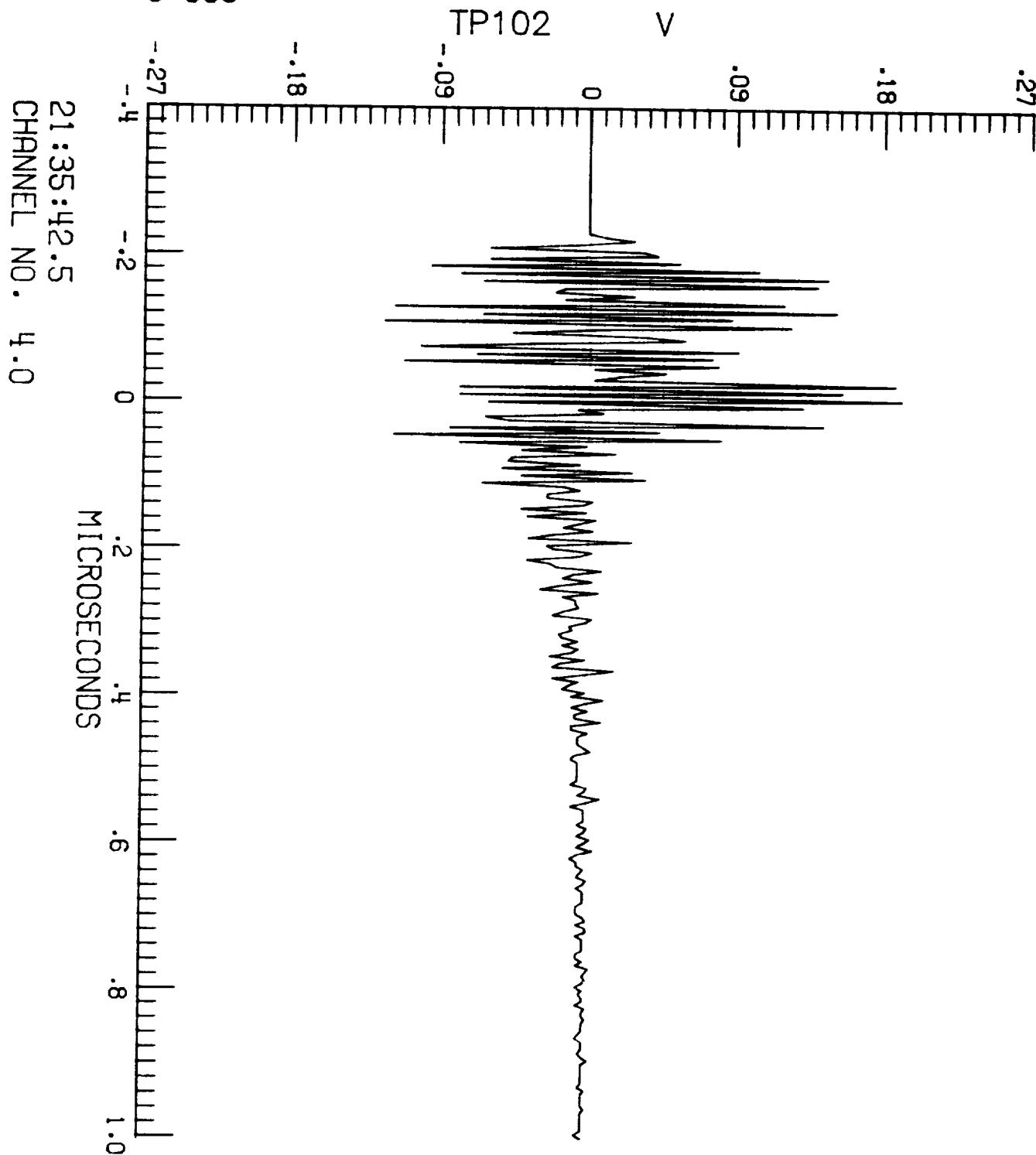


21:35:42.5
CHANNEL NO. 3.2

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 3

S-003



21:35:42.5
CHANNEL NO. 4.0

F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP105

A

.09

.18

.27

0

-.18

-.09

-.27

-.4

-.2

0

.2

.4

.6

.8

1.0

MICROSECONDS

21:35:42.5
CHANNEL NO. 4.1

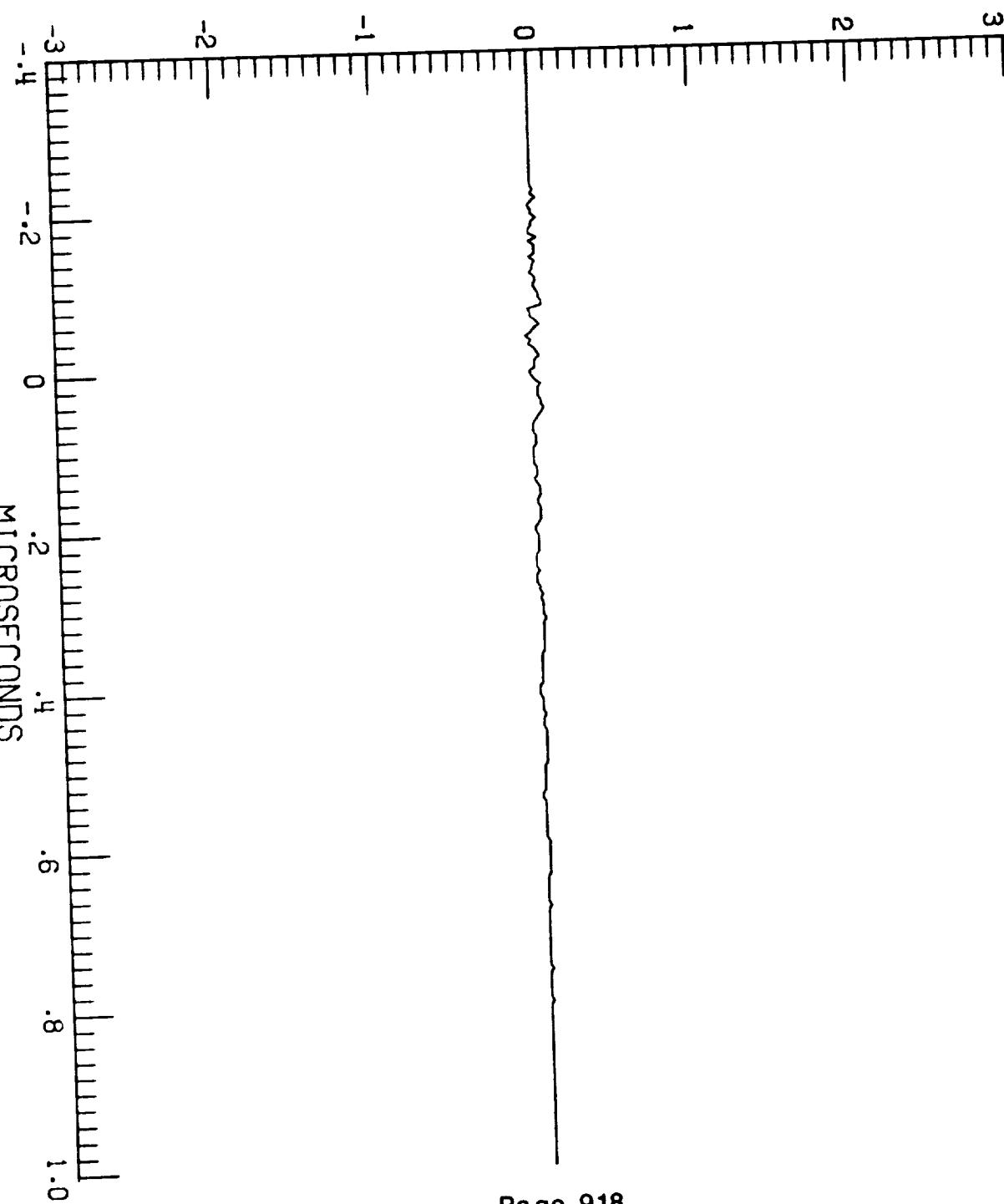
F106 LIGHTNING/85-036/ZAEPFEL

LEC 4 RUN NO. 3

S-003

TP123

A

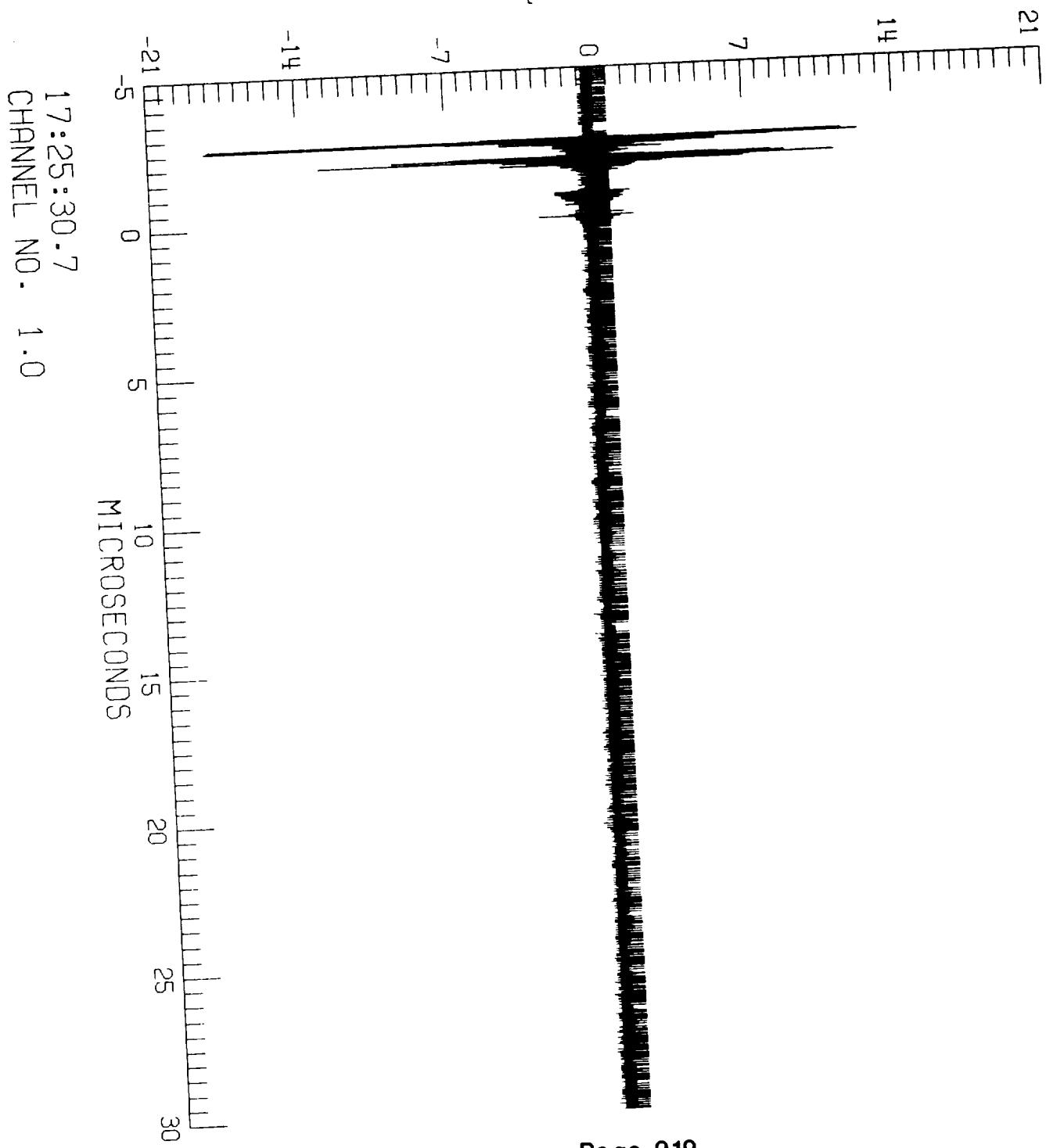


F106 LIGHTNING/85-043/ZAEPFEL

LEC 1 RUN NO. 1

S-001

D_t A/m²



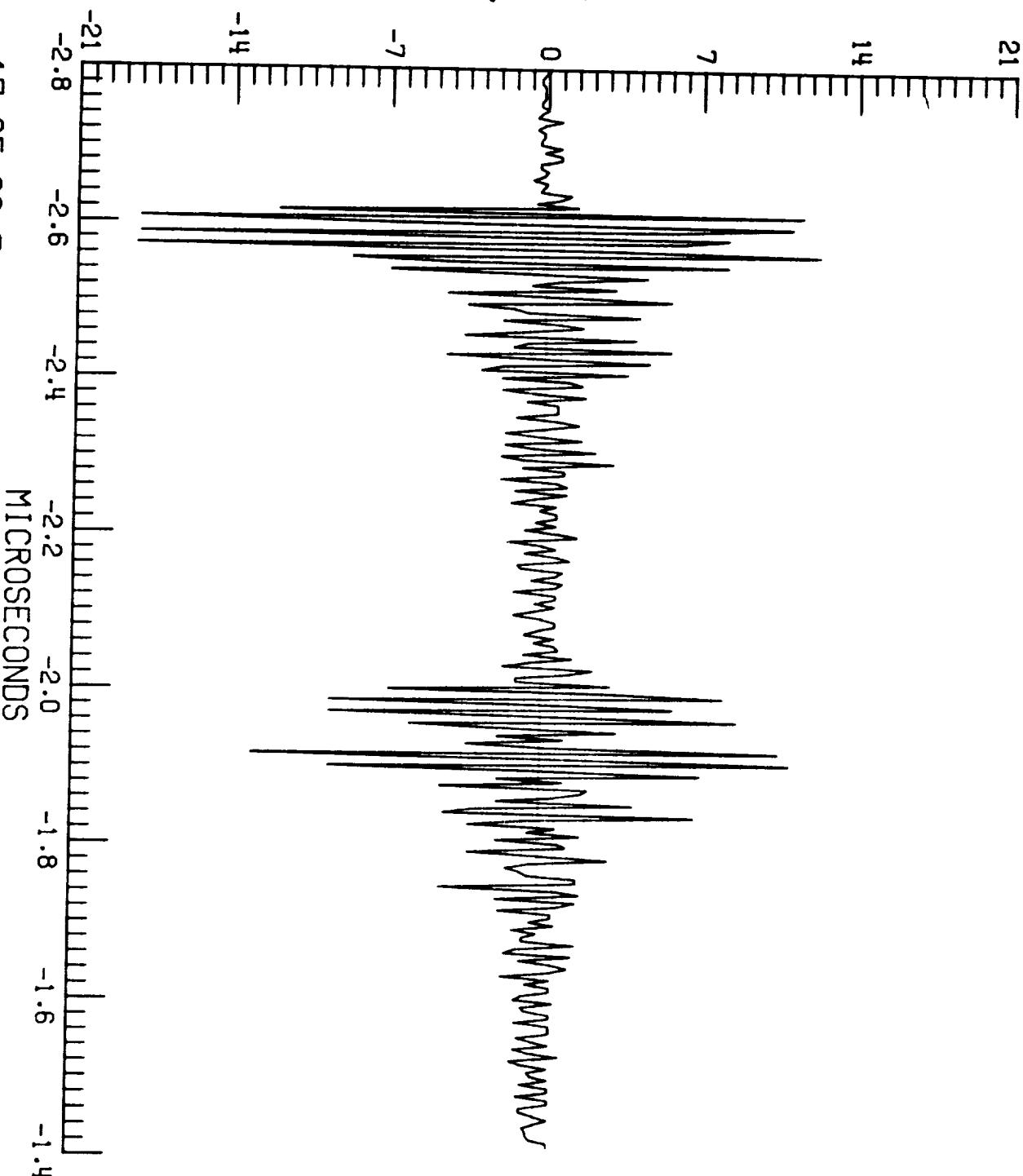
17:25:30-7
CHANNEL NO. 1.0

F106 LIGHTNING/85-043/ZAEPFEL

LEC 1 RUN NO. 1

S-001

$\cdot D_t$ A/m²



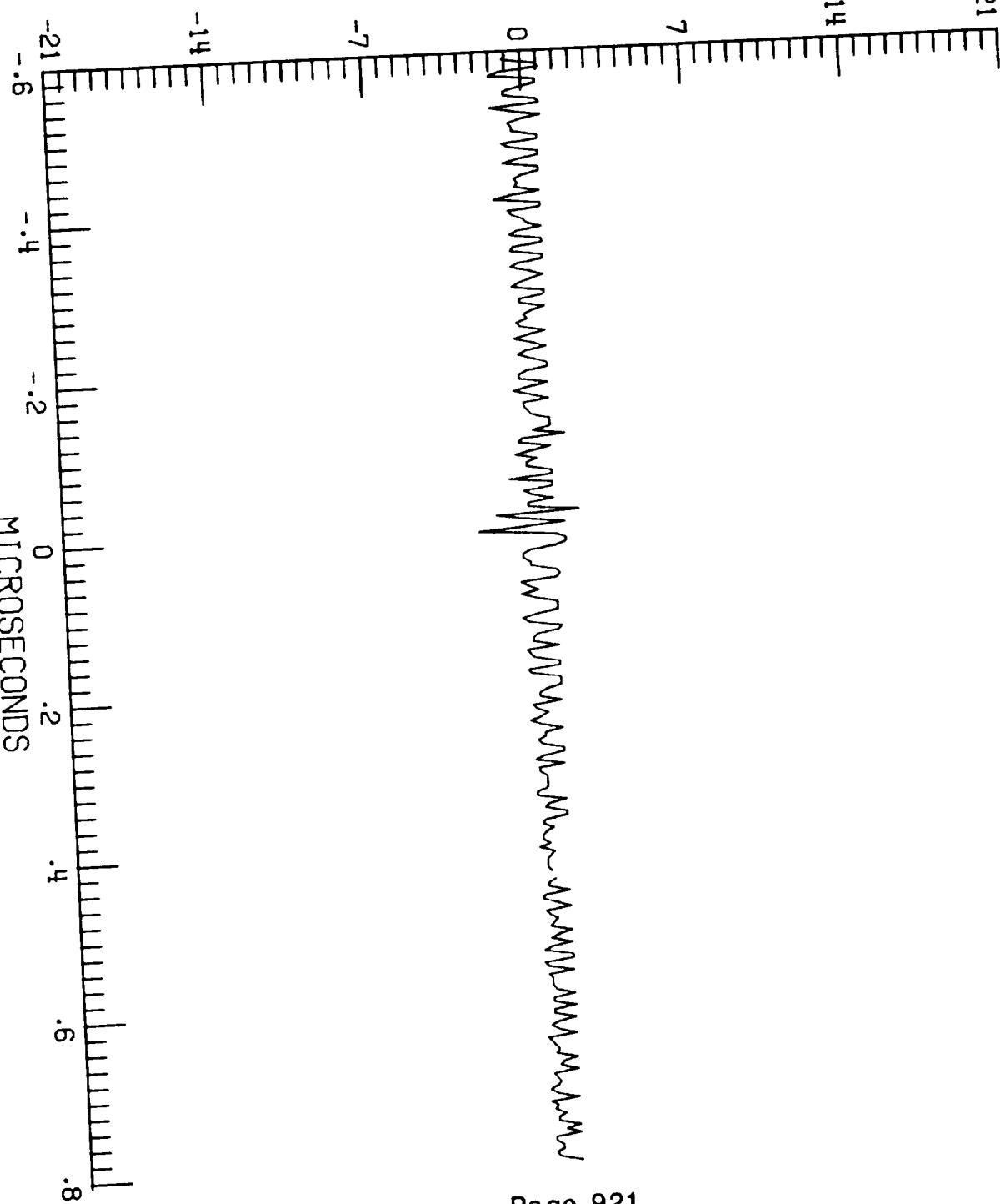
17:25:30.7
CHANNEL NO. 1.0

F106 LIGHTNING/85-043/ZAEPFEL

LEC 1 RUN NO. 1

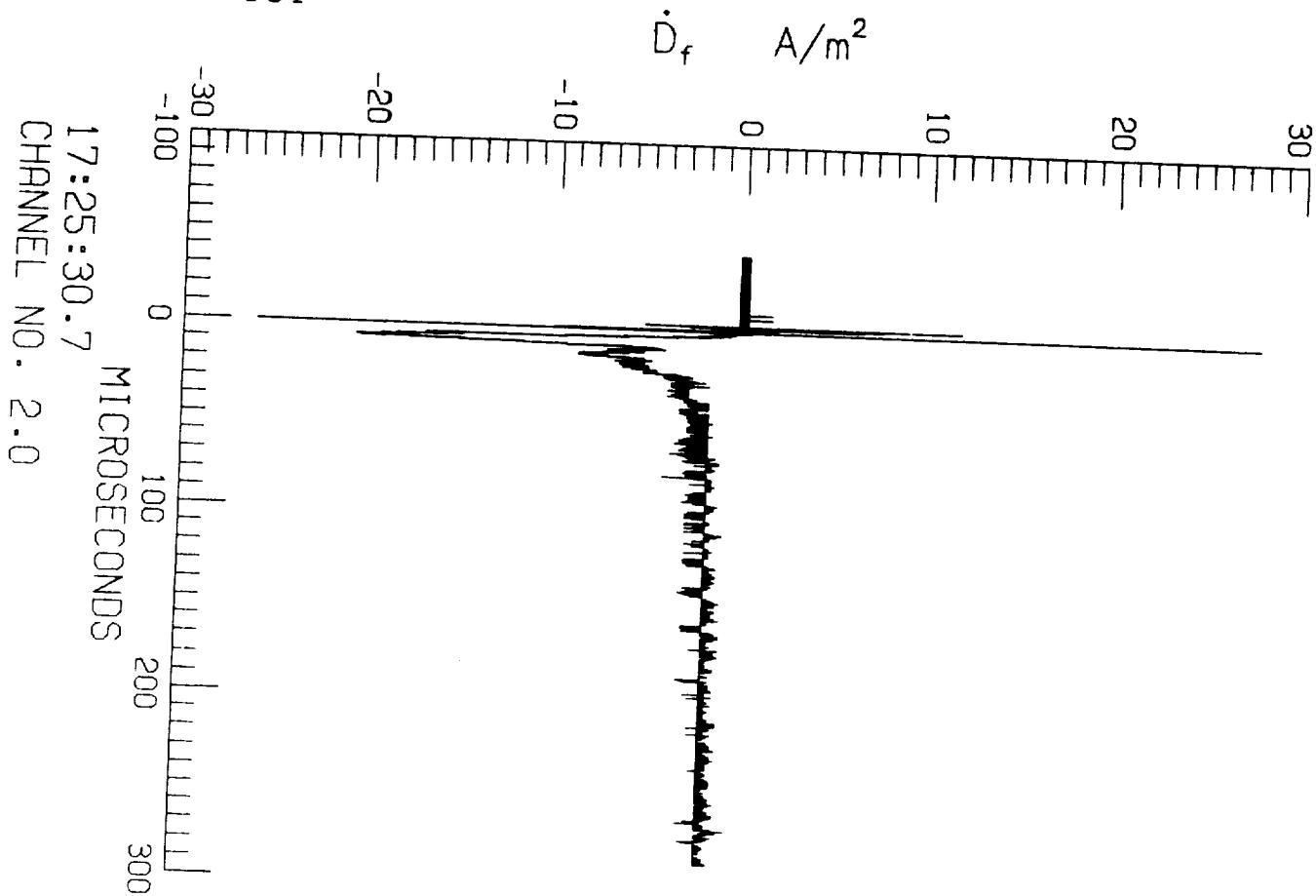
S-001

\dot{D}_t A/m²



17:25:30.7
CHANNEL NO. 1.0

F106 LIGHTNING/85-043/ZAEPFEL
LEC 2 RUN NO. 1
S-001

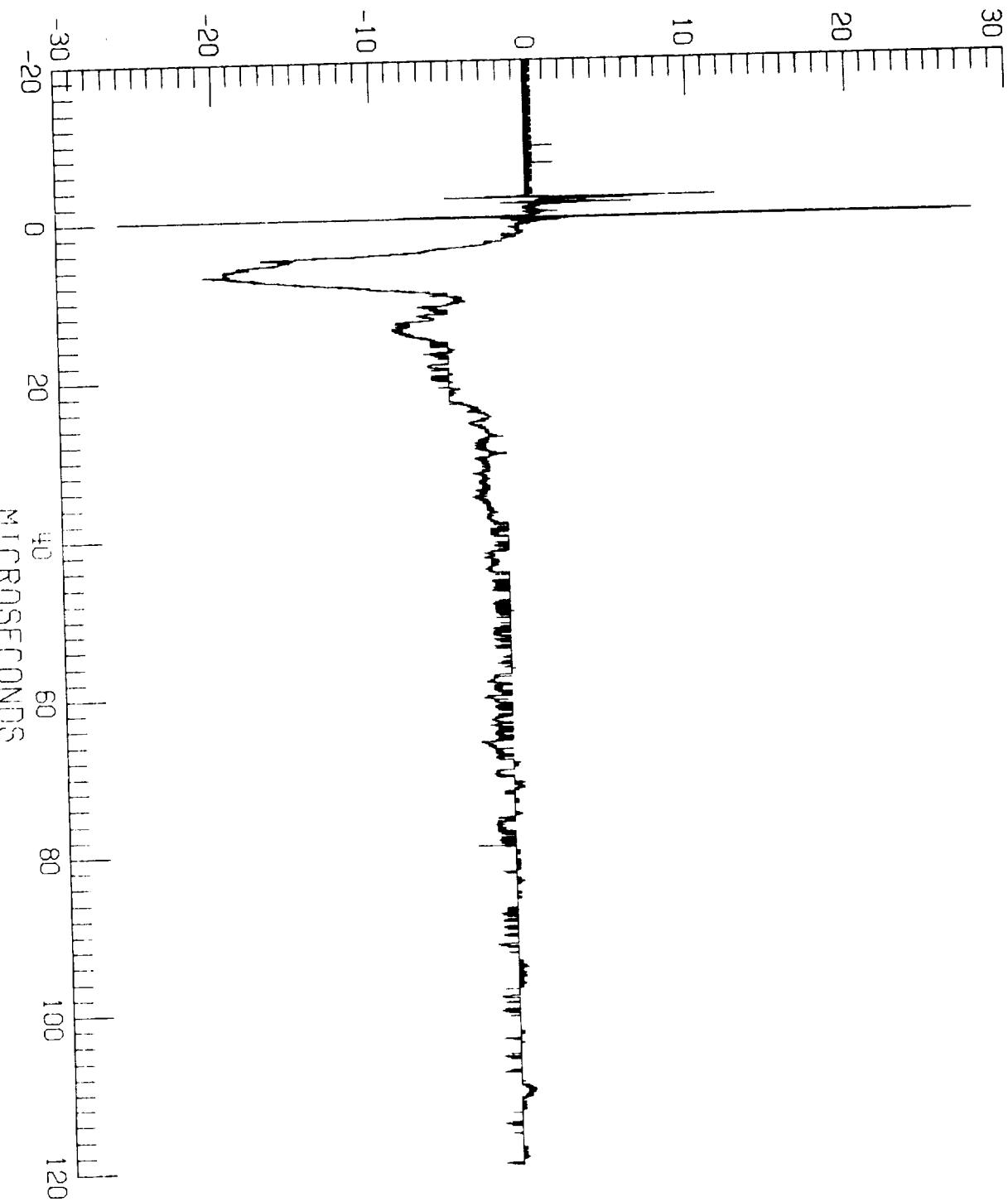


F106 LIGHTNING/85-043/ZAEPFEL

LEC 2 RUN NO. 1

S-001

\dot{D}_f A/m²



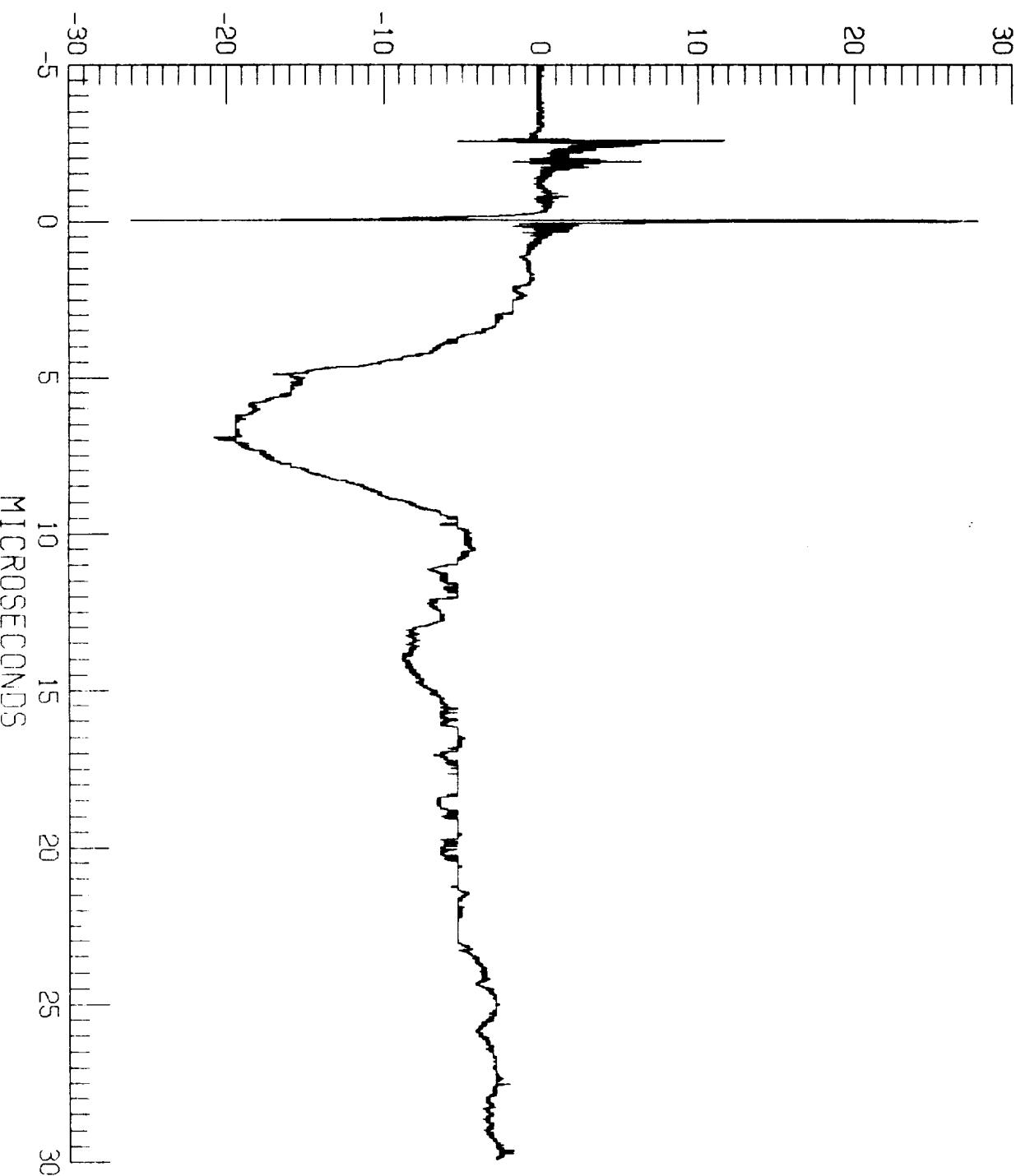
17:25:30.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-043/ZAEPFEL

LEC 2 RUN NO. 1

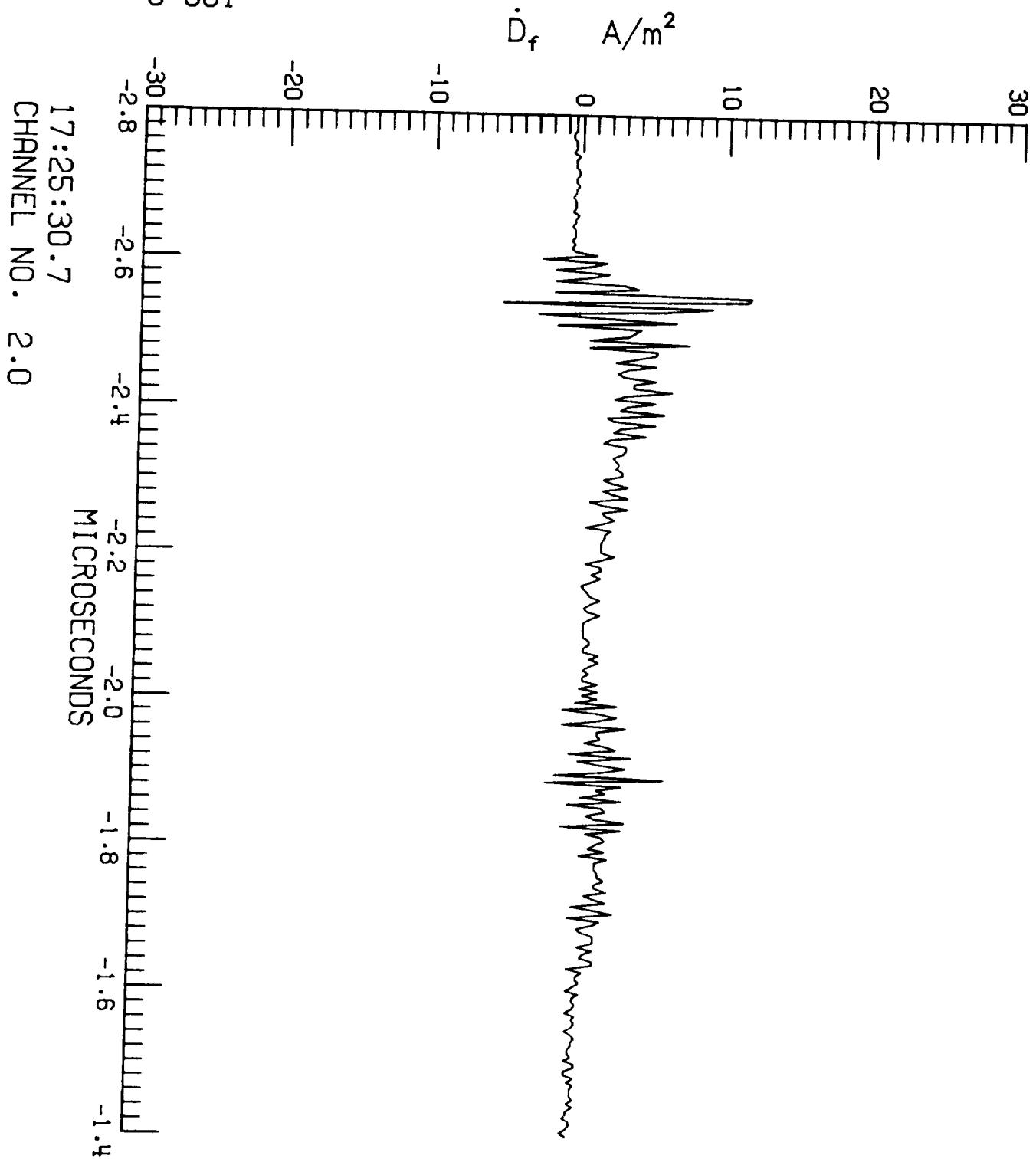
S-001

D_f A/m²



17:25:30.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-043/ZAEPFEL
LEC 2 RUN NO. 1
S-001

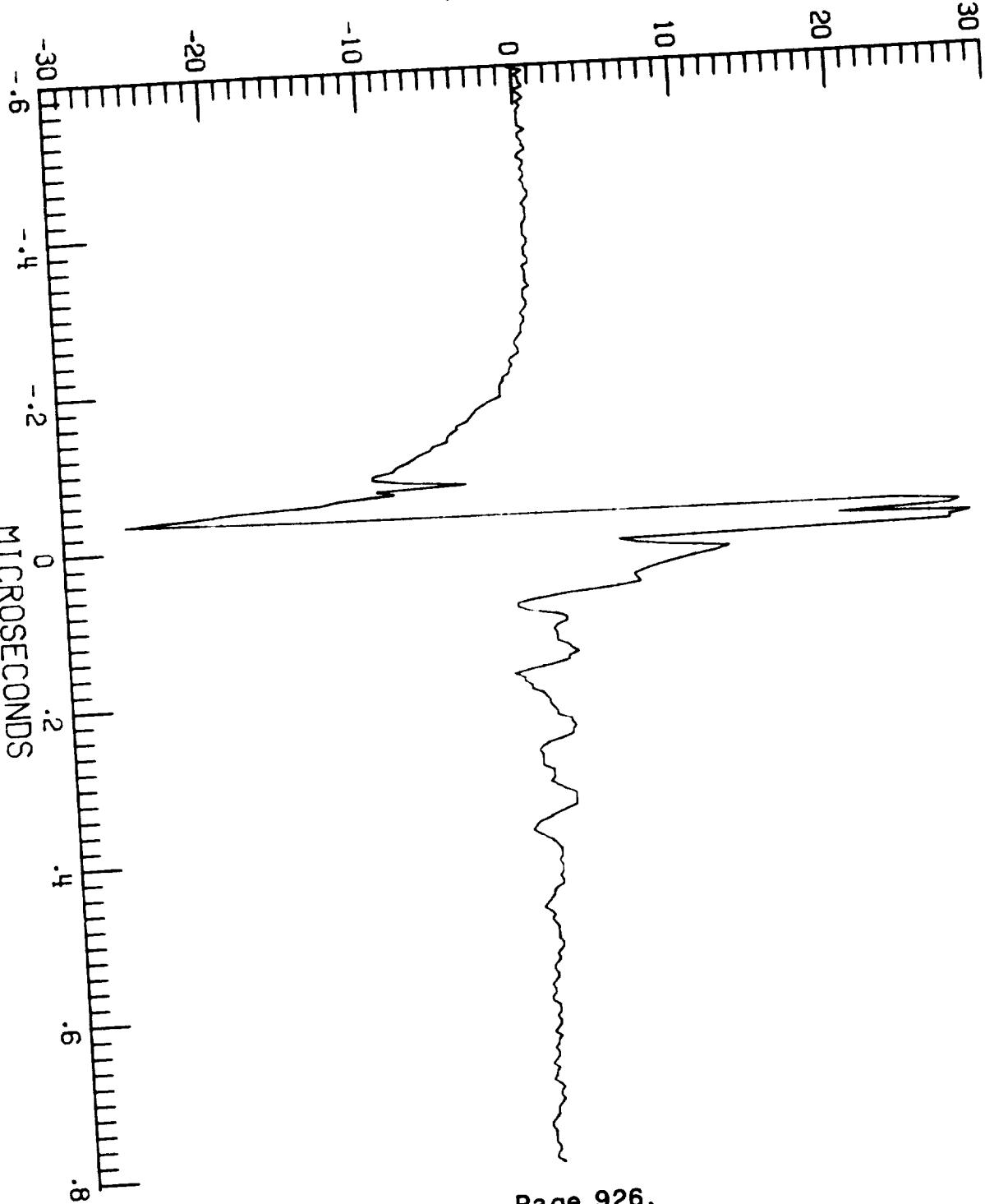


17:25:30.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-043/ZAEPFEL
LEC 2 RUN NO. 1

S-001

\dot{D}_f A/m²



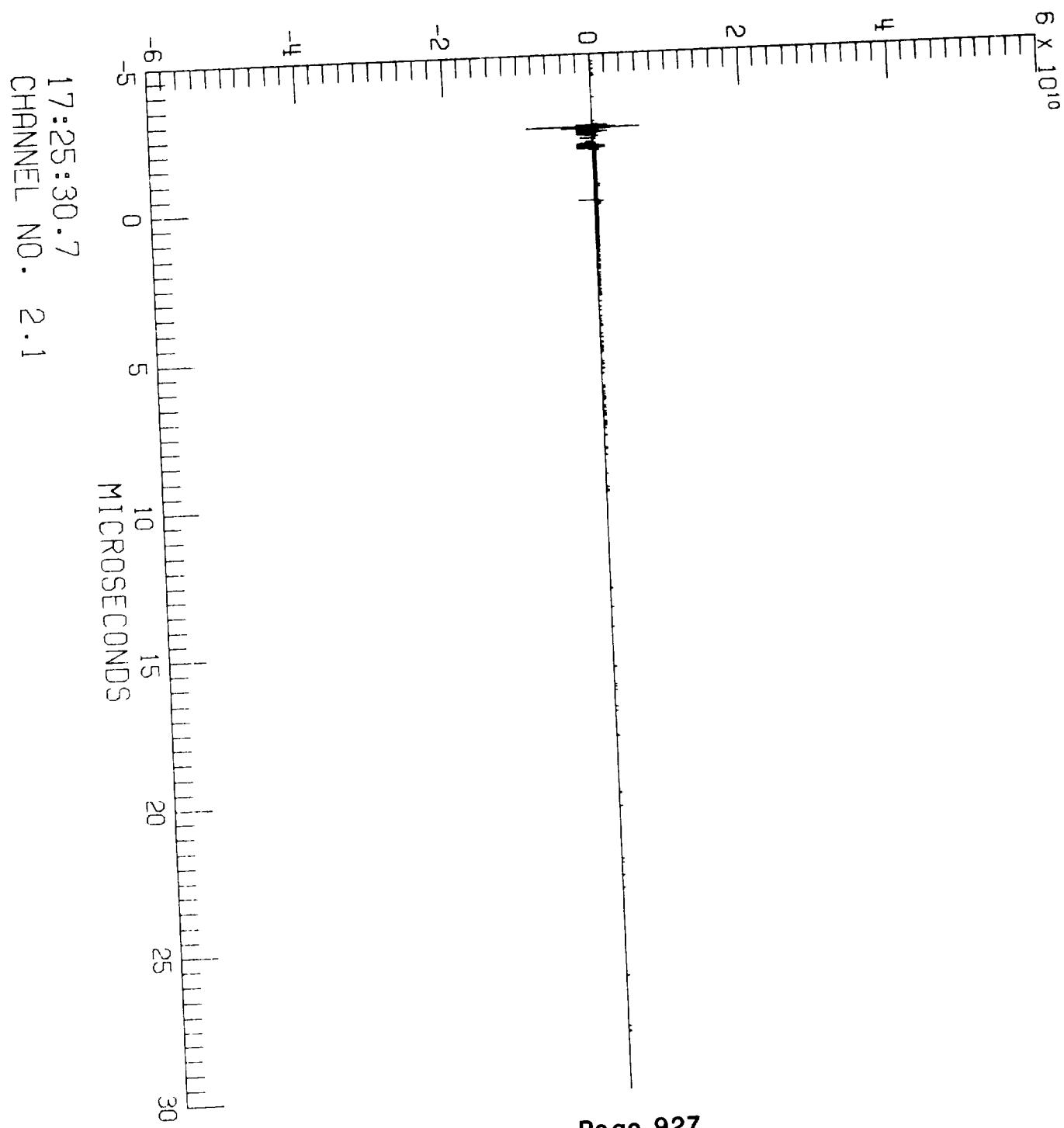
17:25:30.7
CHANNEL NO. 2.0

F106 LIGHTNING/85-043/ZAEPFEL

LEC 2 RUN NO. 1

S-001

i A/s



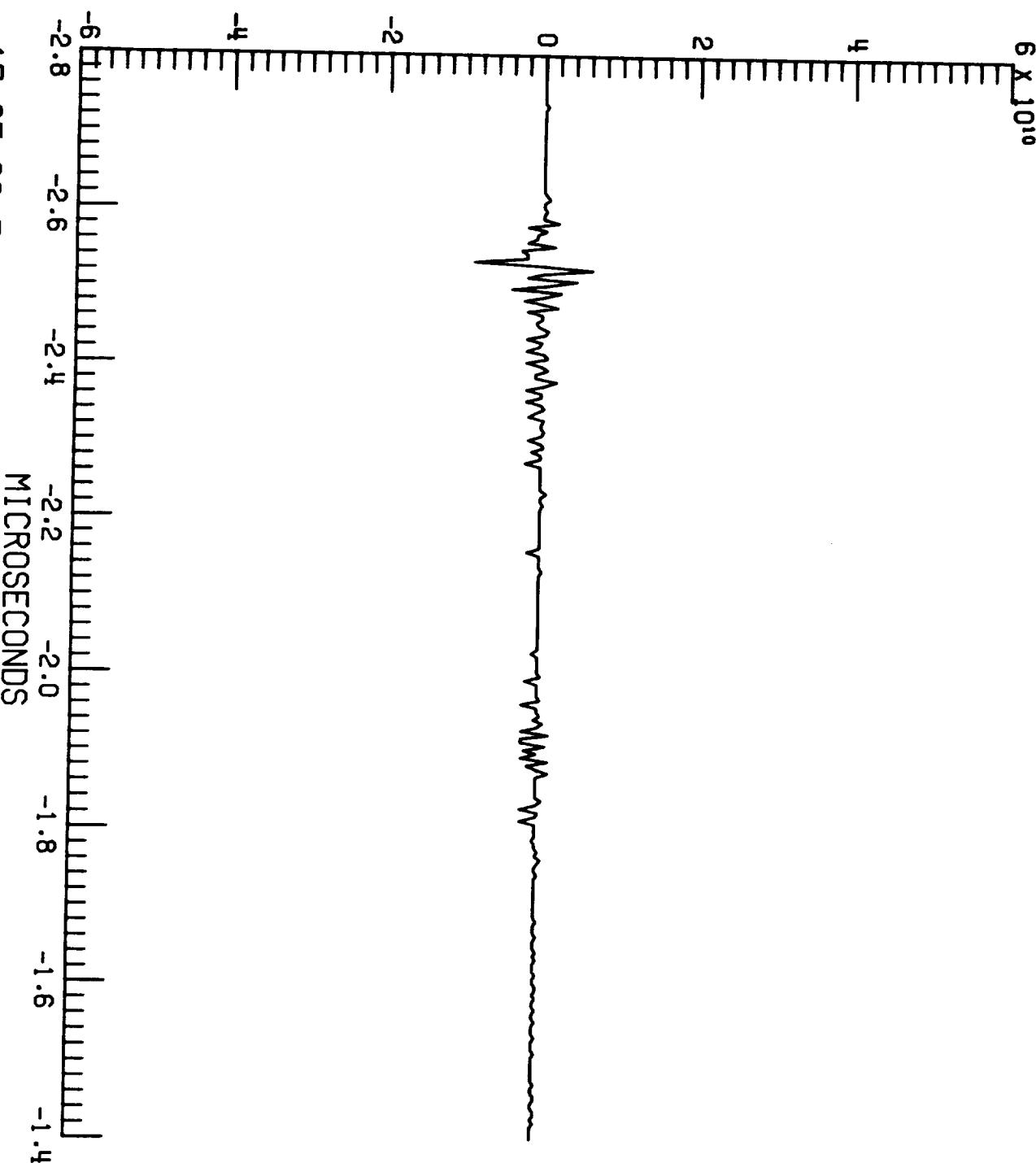
17:25:30.7
CHANNEL NO. 2.1

F106 LIGHTNING/85-043/ZAEPFEL

LEC 2 RUN NO. 1

S-001

\dot{I} A/s



17:25:30.7
CHANNEL NO. 2.1

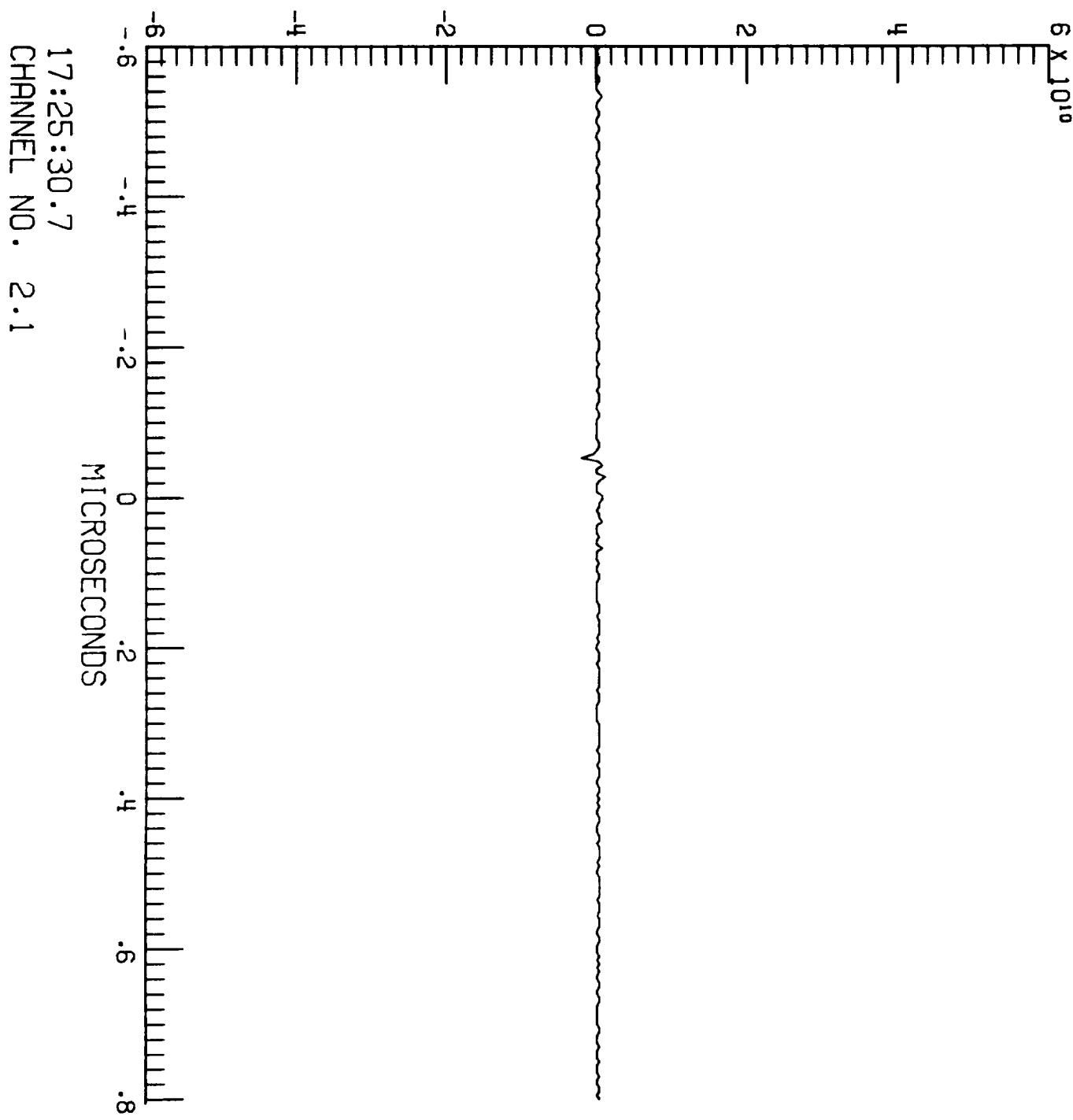
F106 LIGHTNING/85-043/ZAEPFEL

LEC 2 RUN NO. 1

S-001

\dot{I} A/s

6×10^{10}



17:25:30.7
CHANNEL NO. 2.1

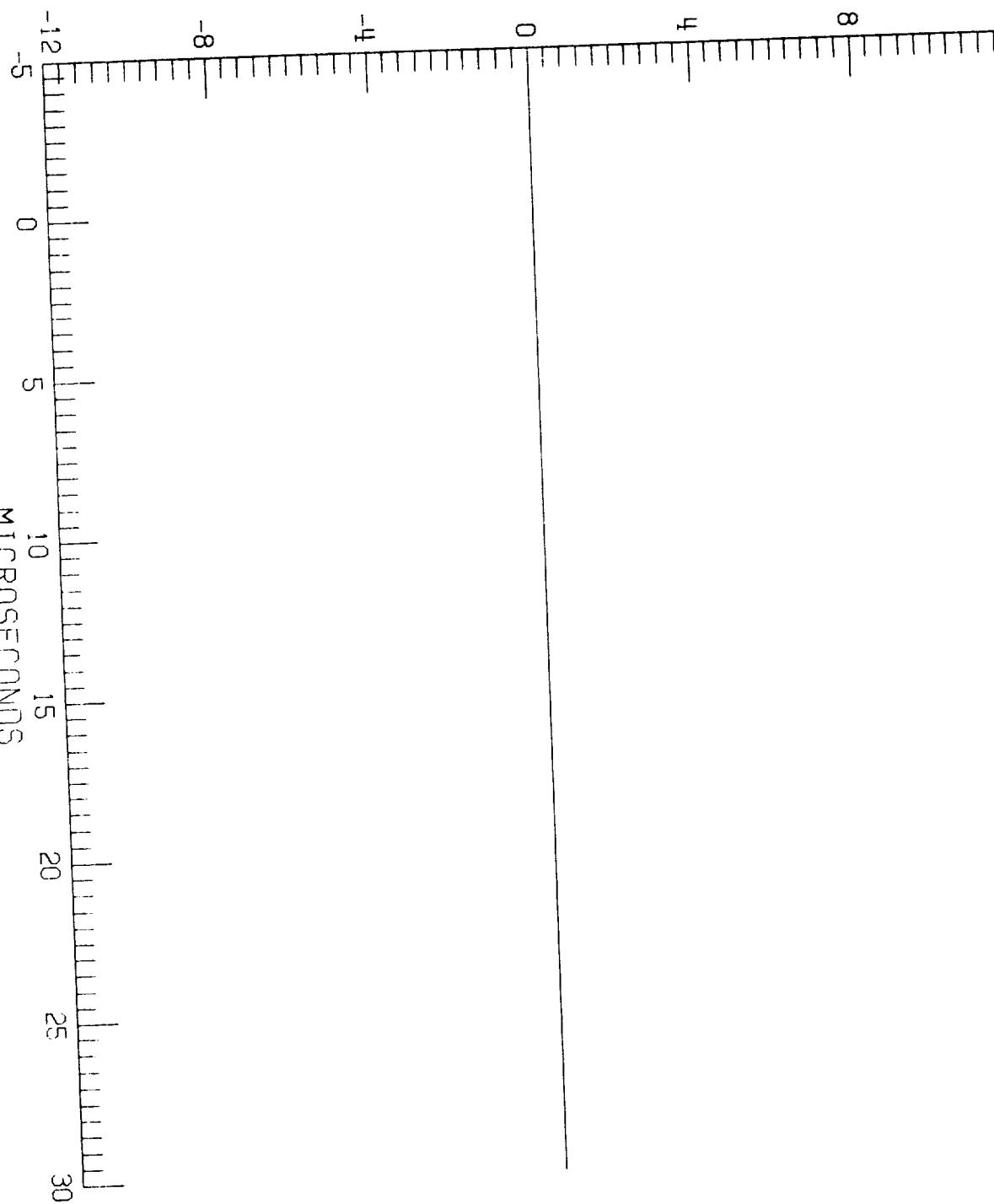
F106 LIGHTNING/85-043/ZAEPFEL

LEC 3 RUN NO. 1

S-001

I_t A

12×10^3

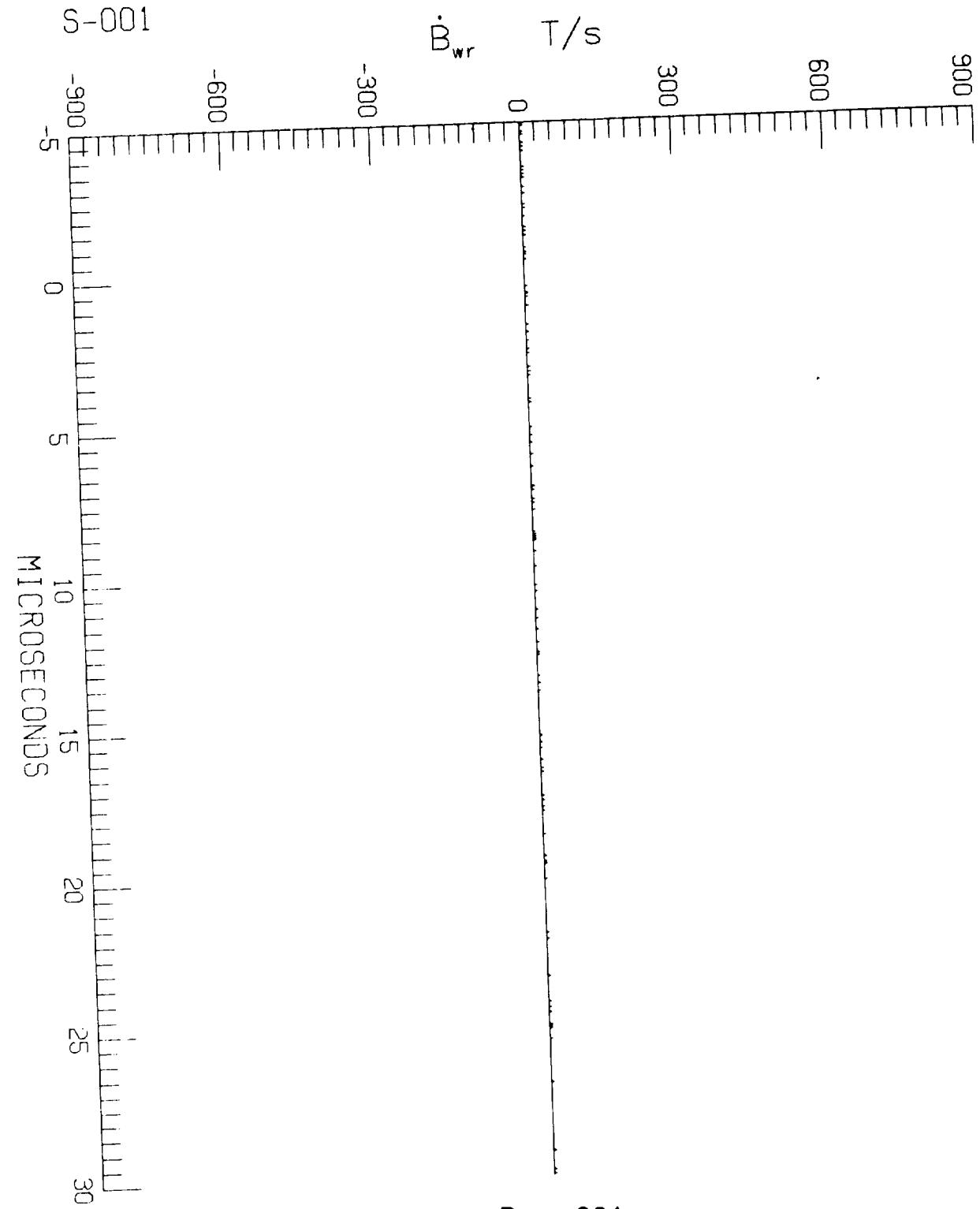


17:25:30.7
CHANNEL NO. 3.0

F106 LIGHTNING/85-043/ZAEPFEL

LEC 3 RUN NO. 1

S-001



17:25:30.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP113

A

.27

.18

.09

0

-.18

-.27

-5
0
5
10
15
20
25
30

MICROSECONDS

17:25:30.7
CHANNEL NO. 4.1

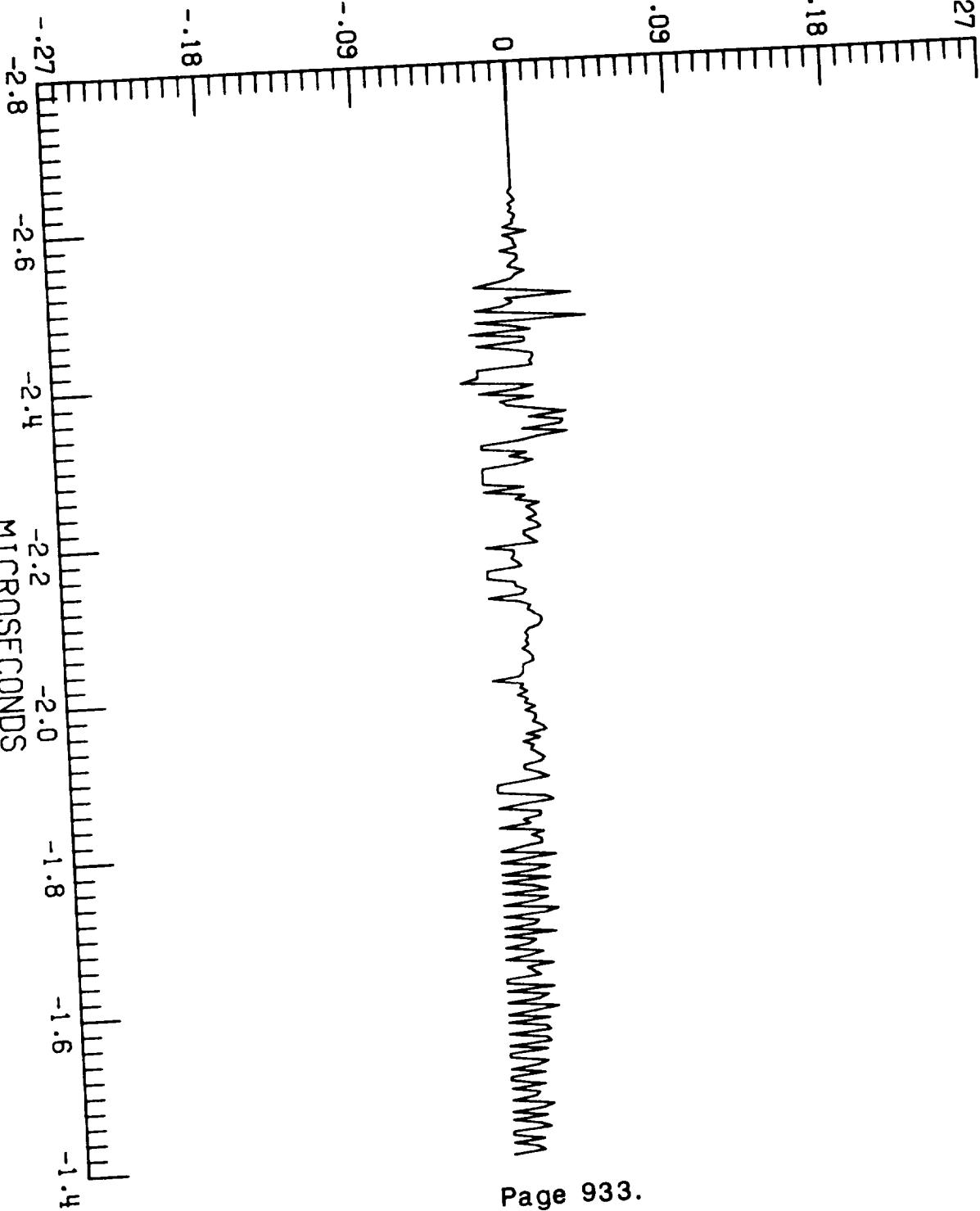
F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP113

A



17:25:30.7
CHANNEL NO. 4.1

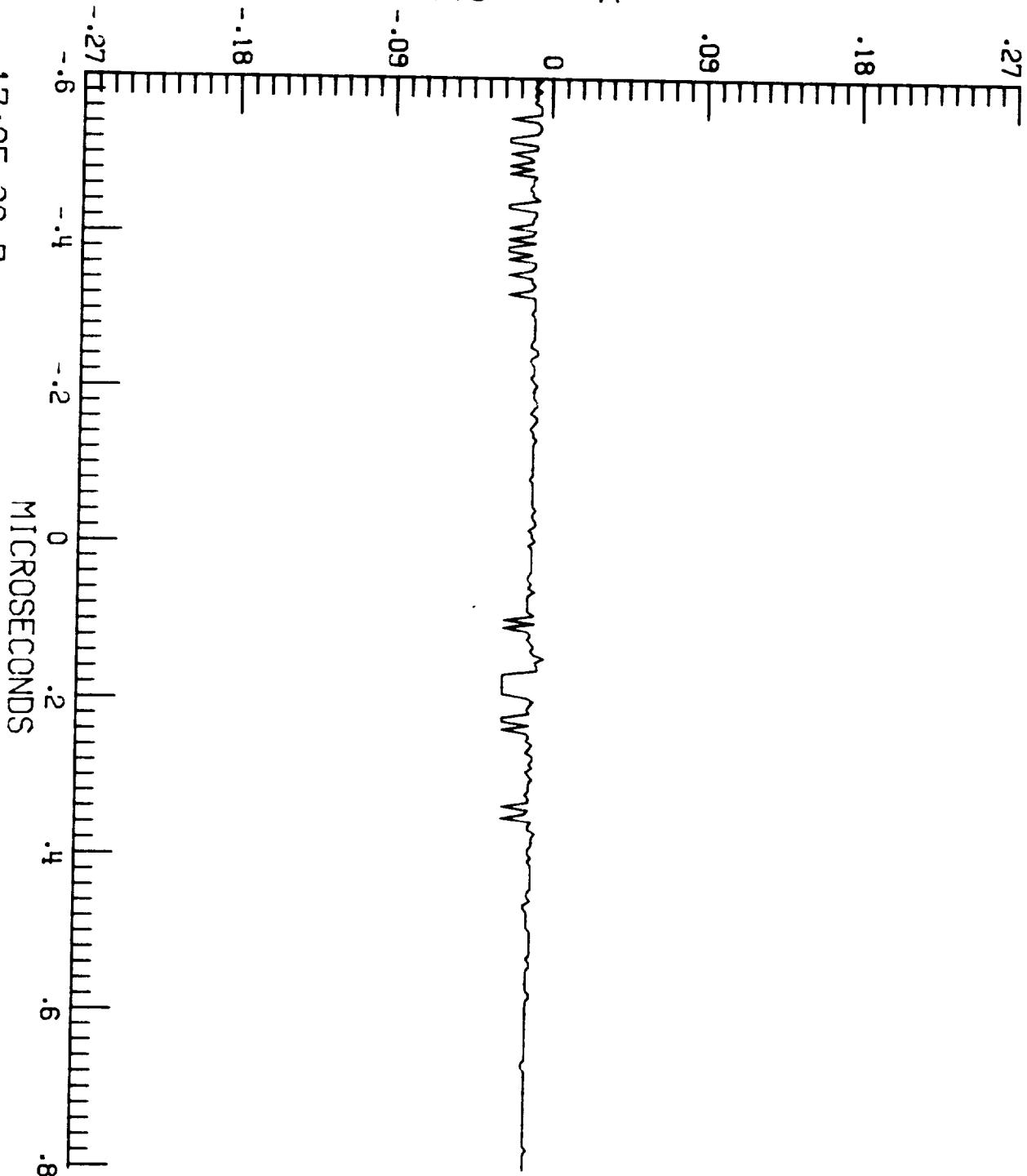
F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP113

A



17:25:30.7
CHANNEL NO. 4.1

F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP126

A

-.09

.09

.18

.27



17:25:30.7
CHANNEL NO. 4.2



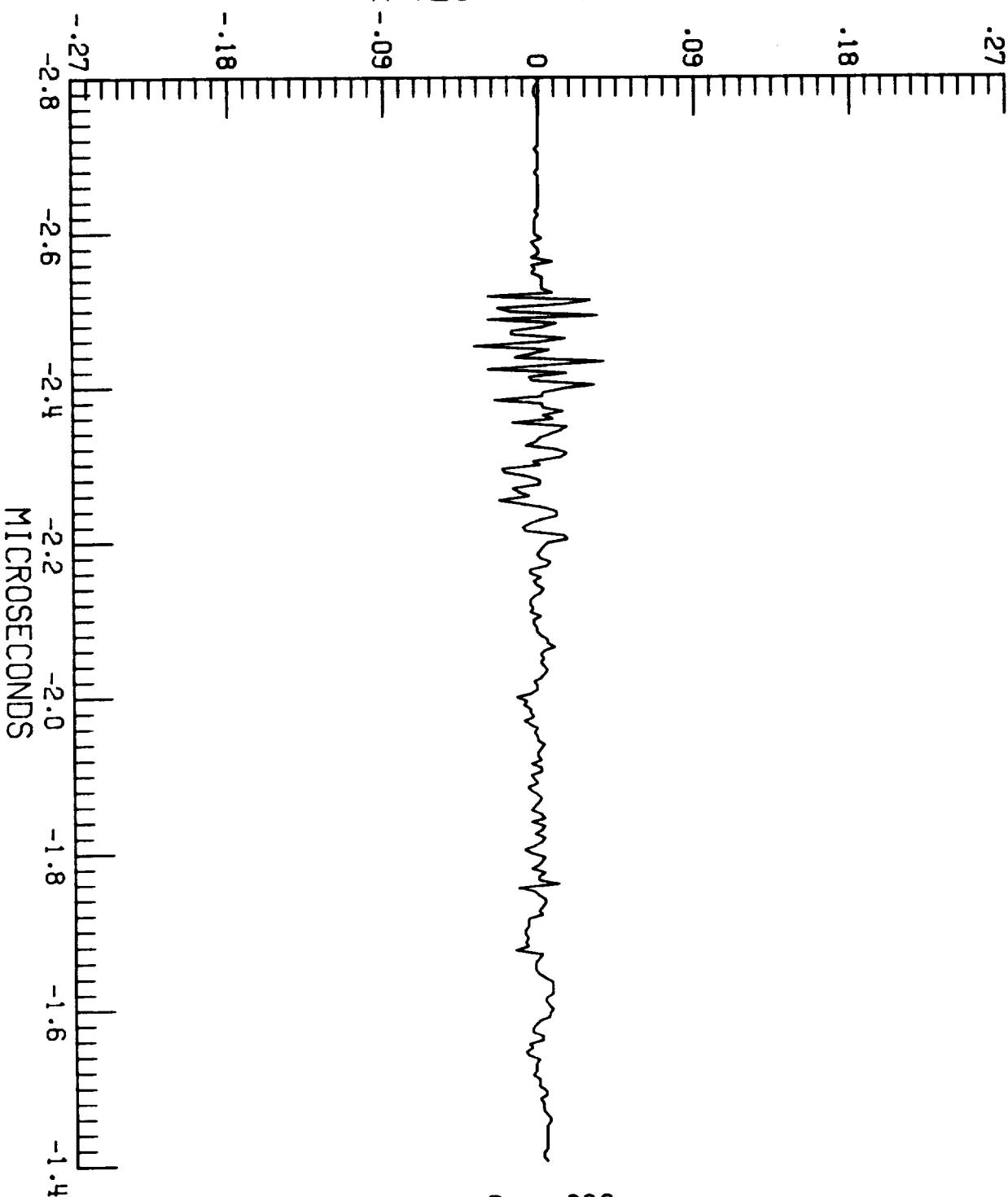
F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP126

A



17:25:30.7
CHANNEL NO. 4.2

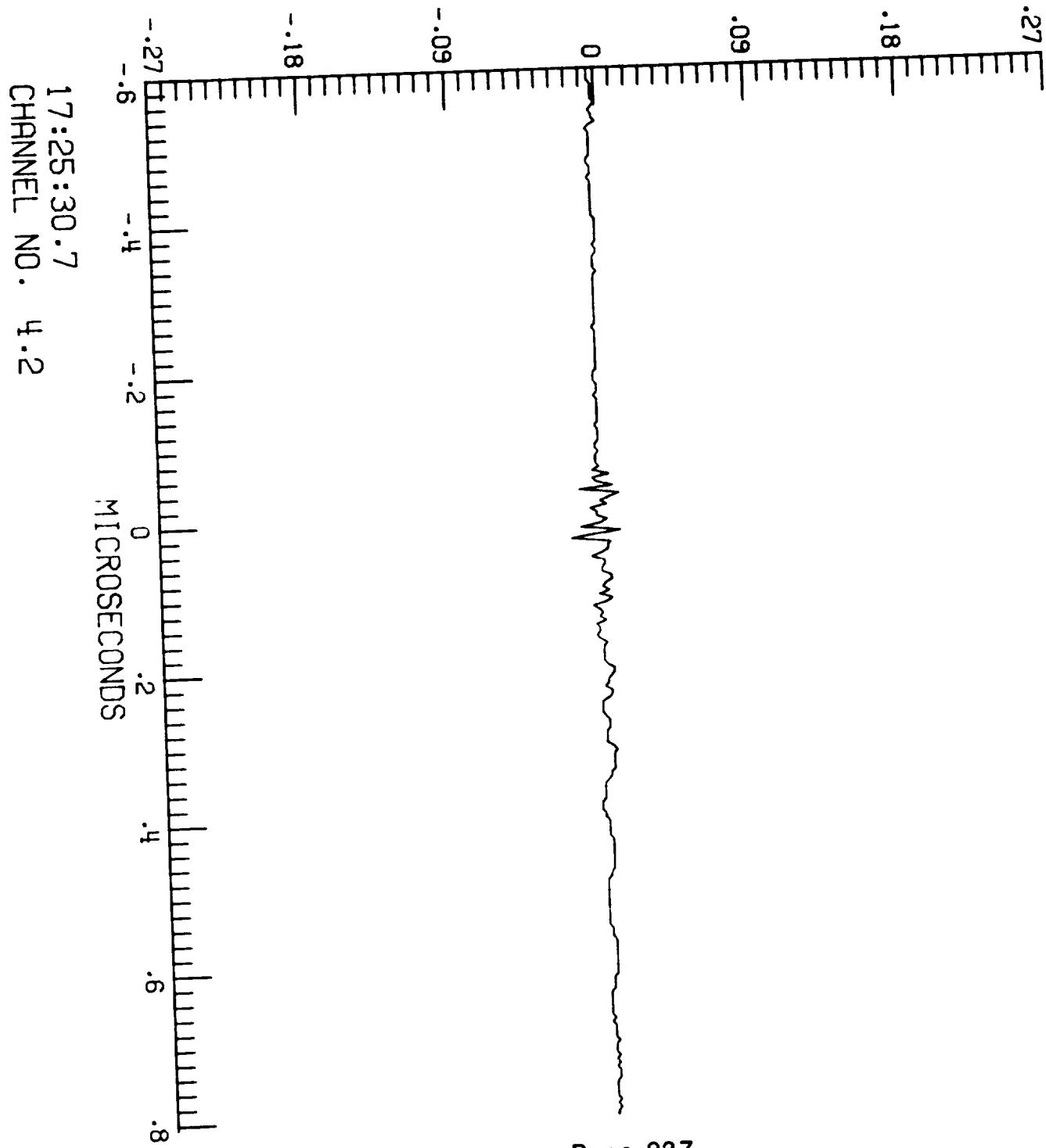
F106 LIGHTNING/85-043/ZAEPFEL

LEC 4 RUN NO. 1

S-001

TP126

A

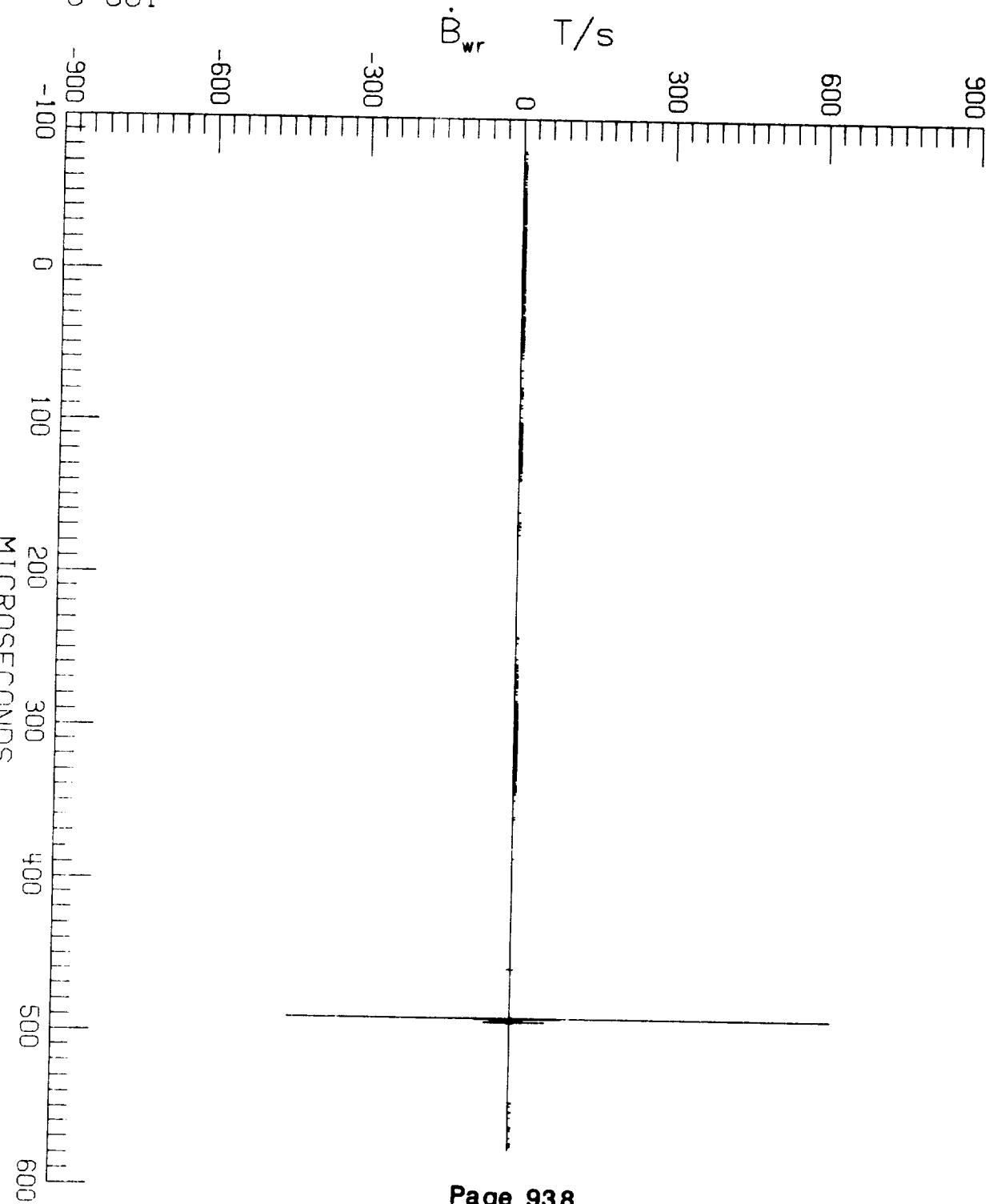


17:25:30.7
CHANNEL NO. 4.2

F106 LIGHTNING/85-043/ZAEPFEL

LEC 3 RUN NO. 1

S-001

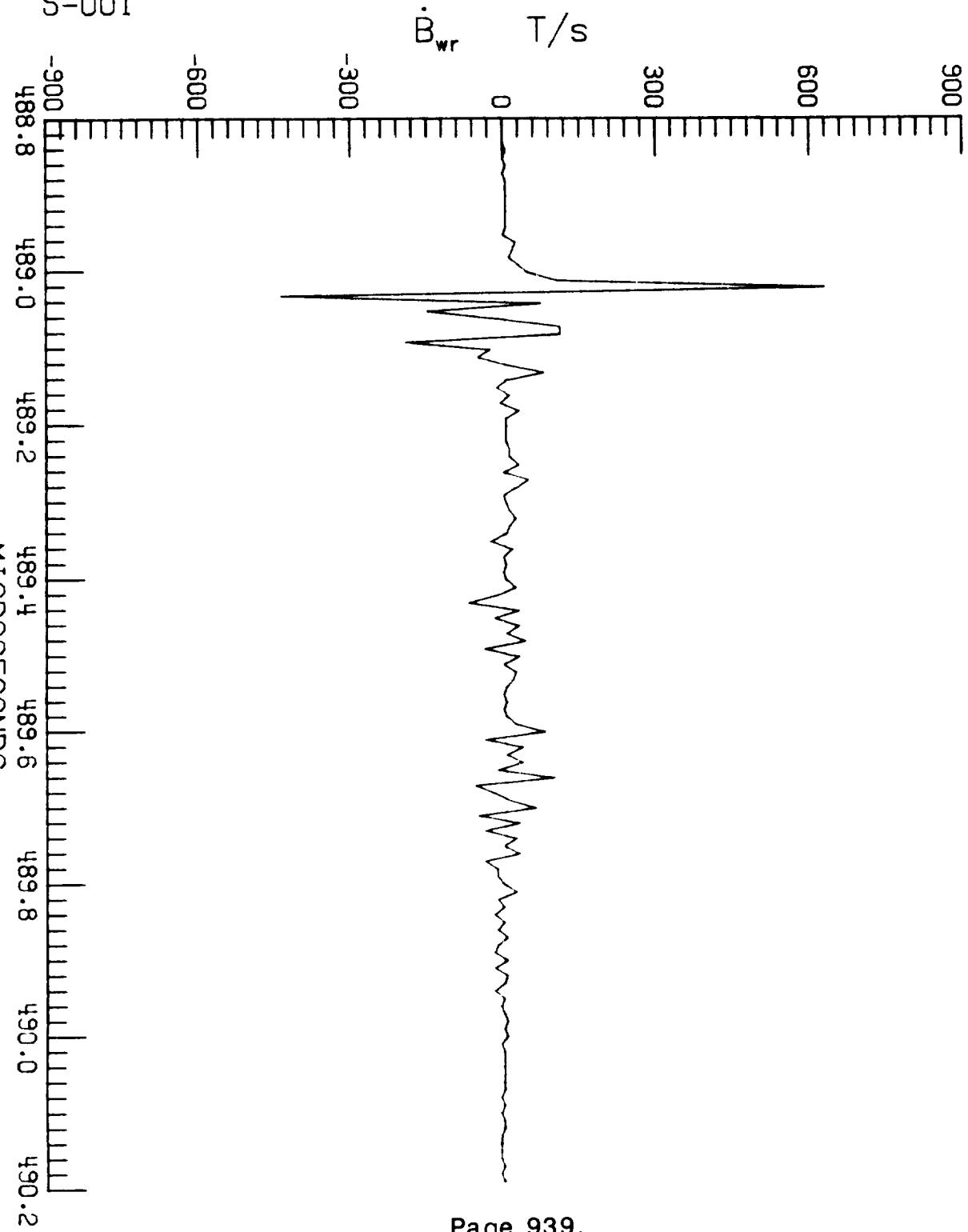


17:25:30.7
CHANNEL NO. 3.1

F106 LIGHTNING/85-043/ZAEPFEL

LEC 3 RUN NO. 1

S-001



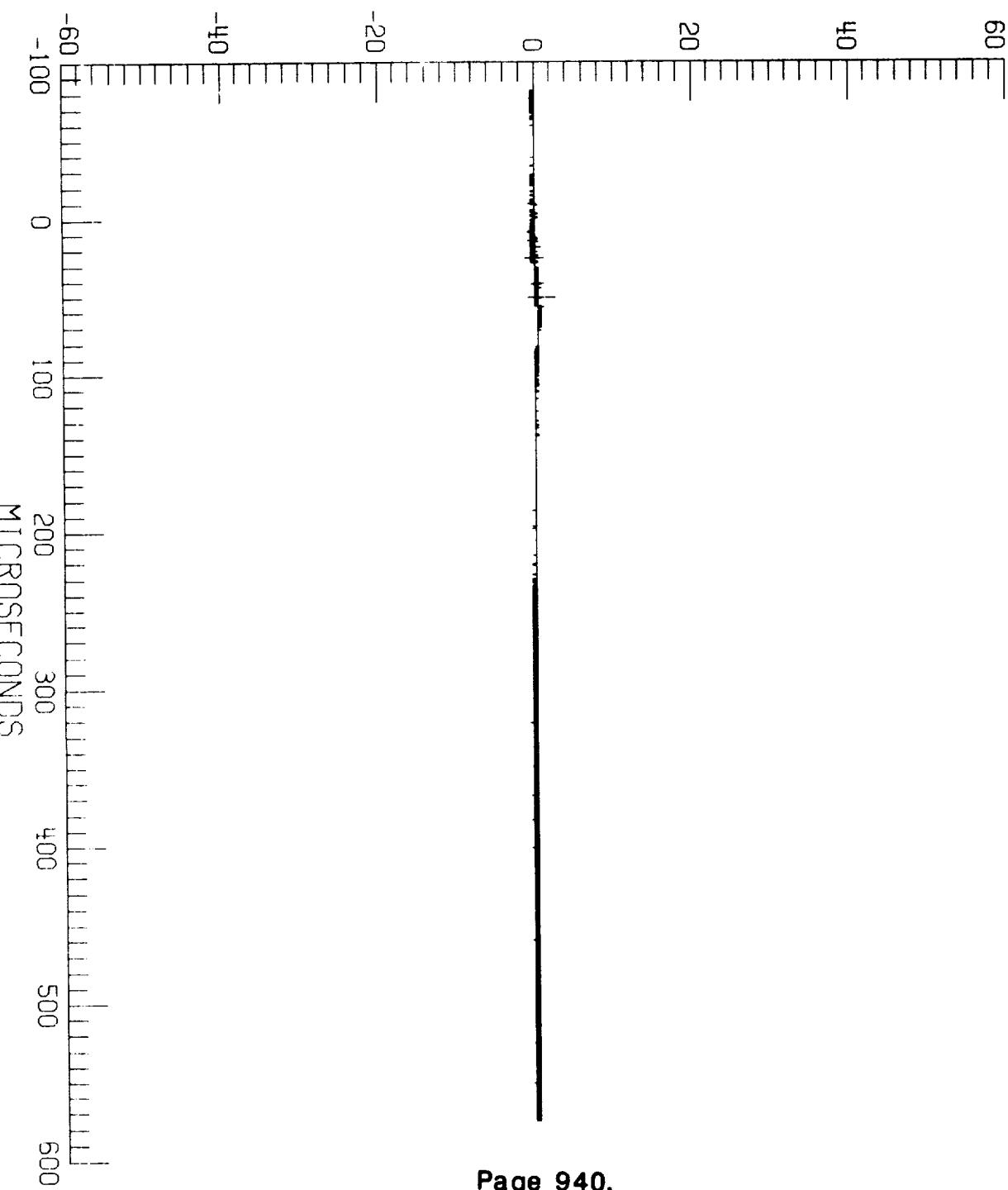
17:25:30.7
CHANNEL NO. 3.1

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

\dot{D}_f A/m²



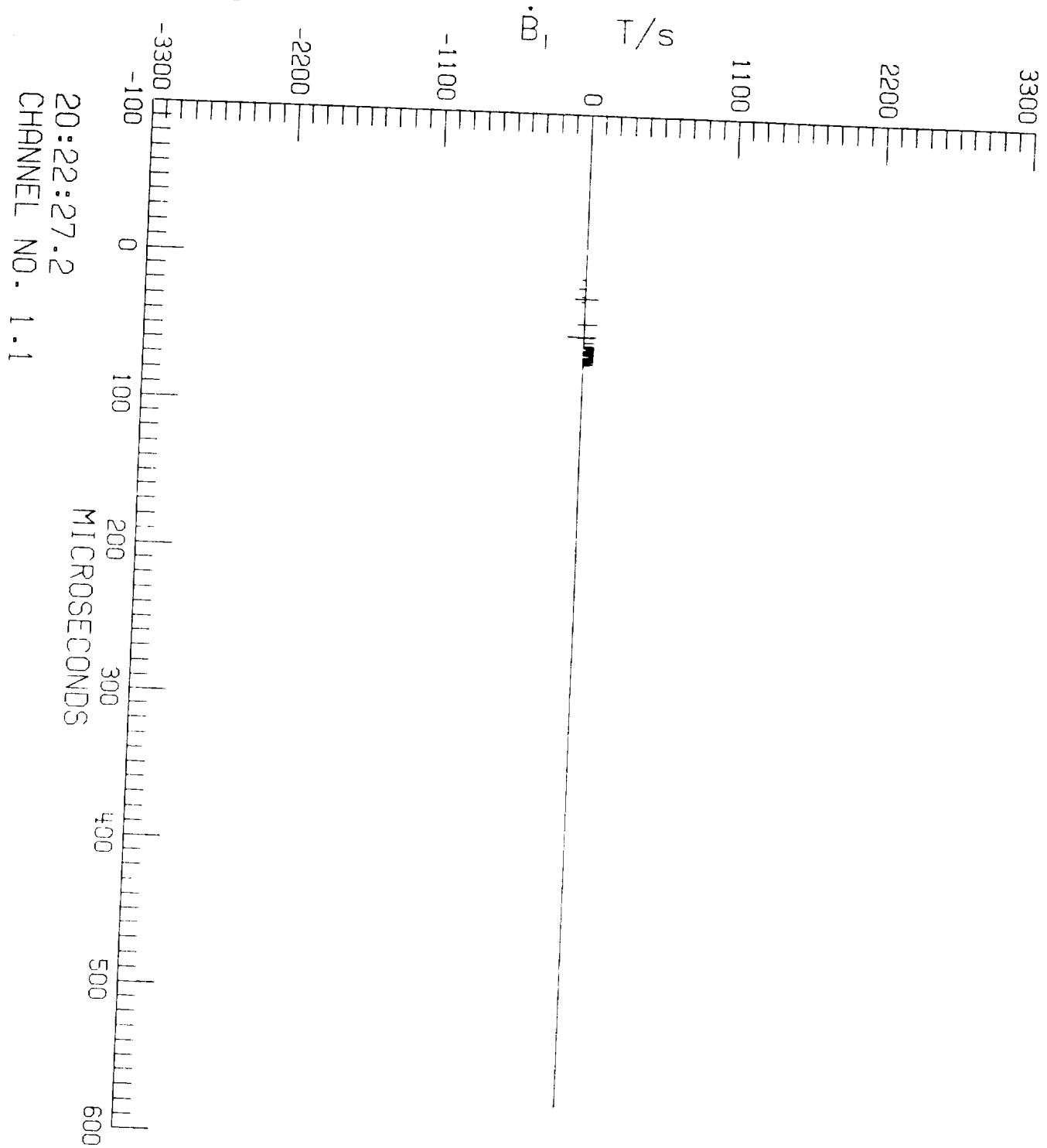
20:22:27.2
CHANNEL NO. 1.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1

RUN NO. 14

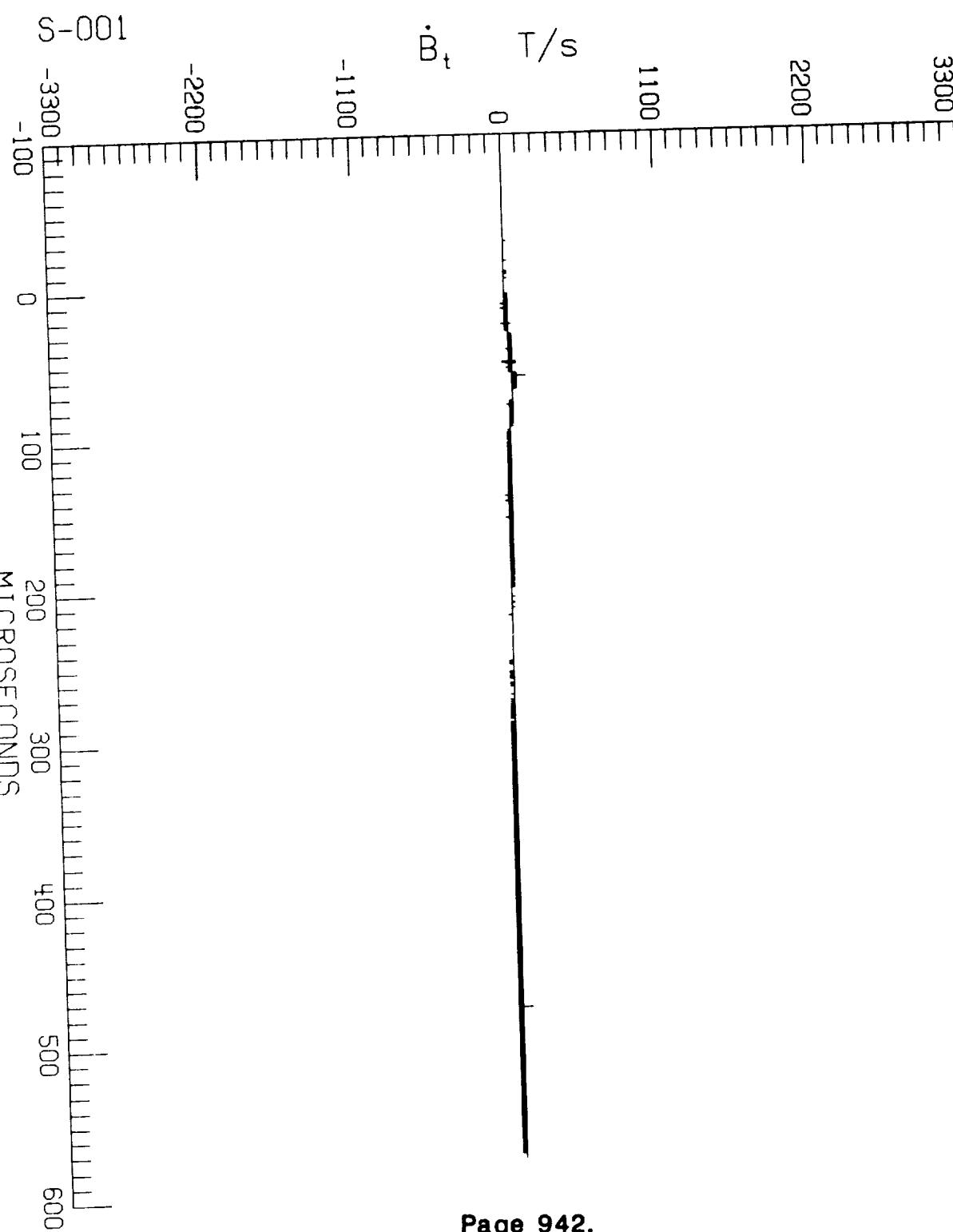
S-001



F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001



20:22:27.2
CHANNEL NO. 1-2

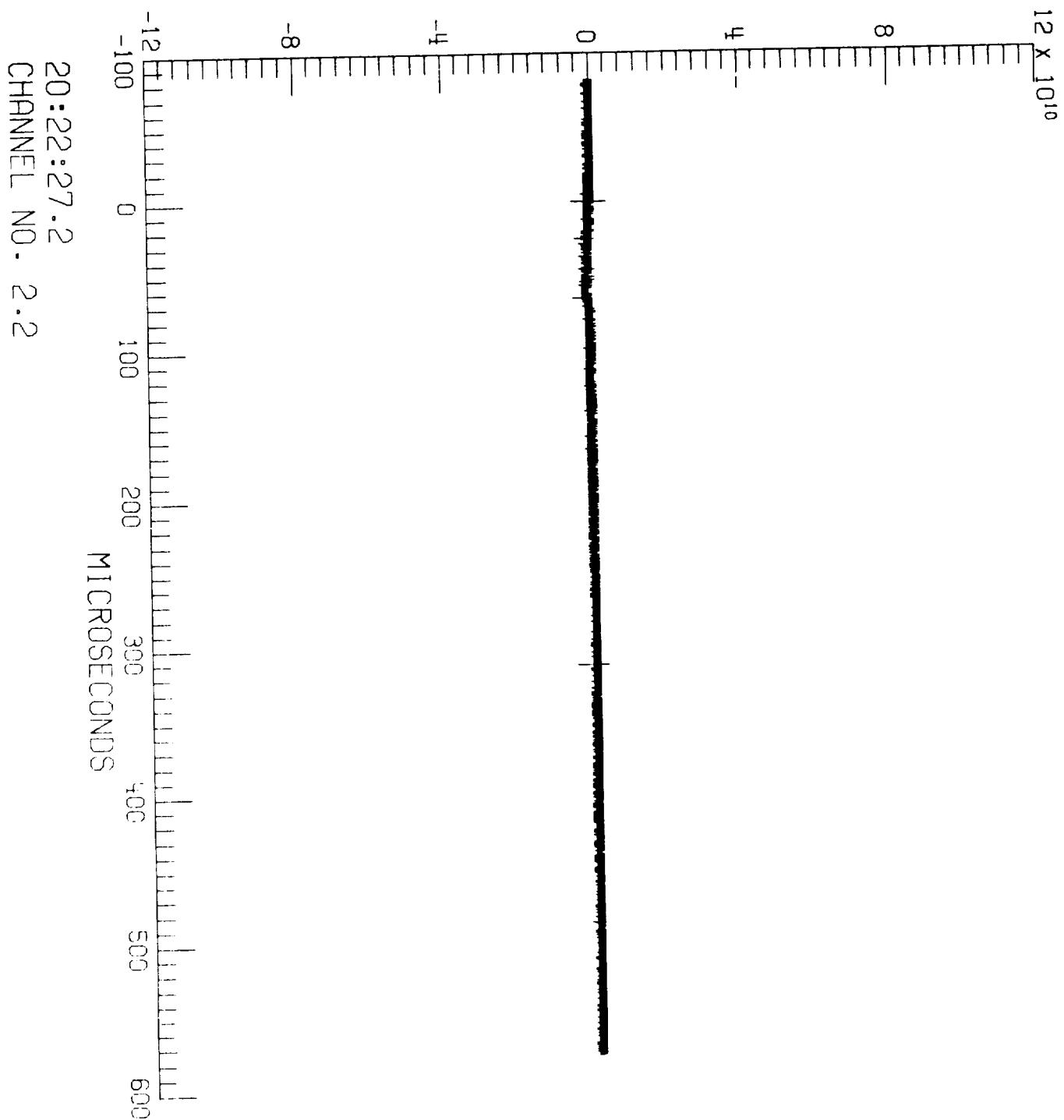
F106 LIGHTNING/86-013/ZAEPFEL

LEC 2

RUN NO. 14

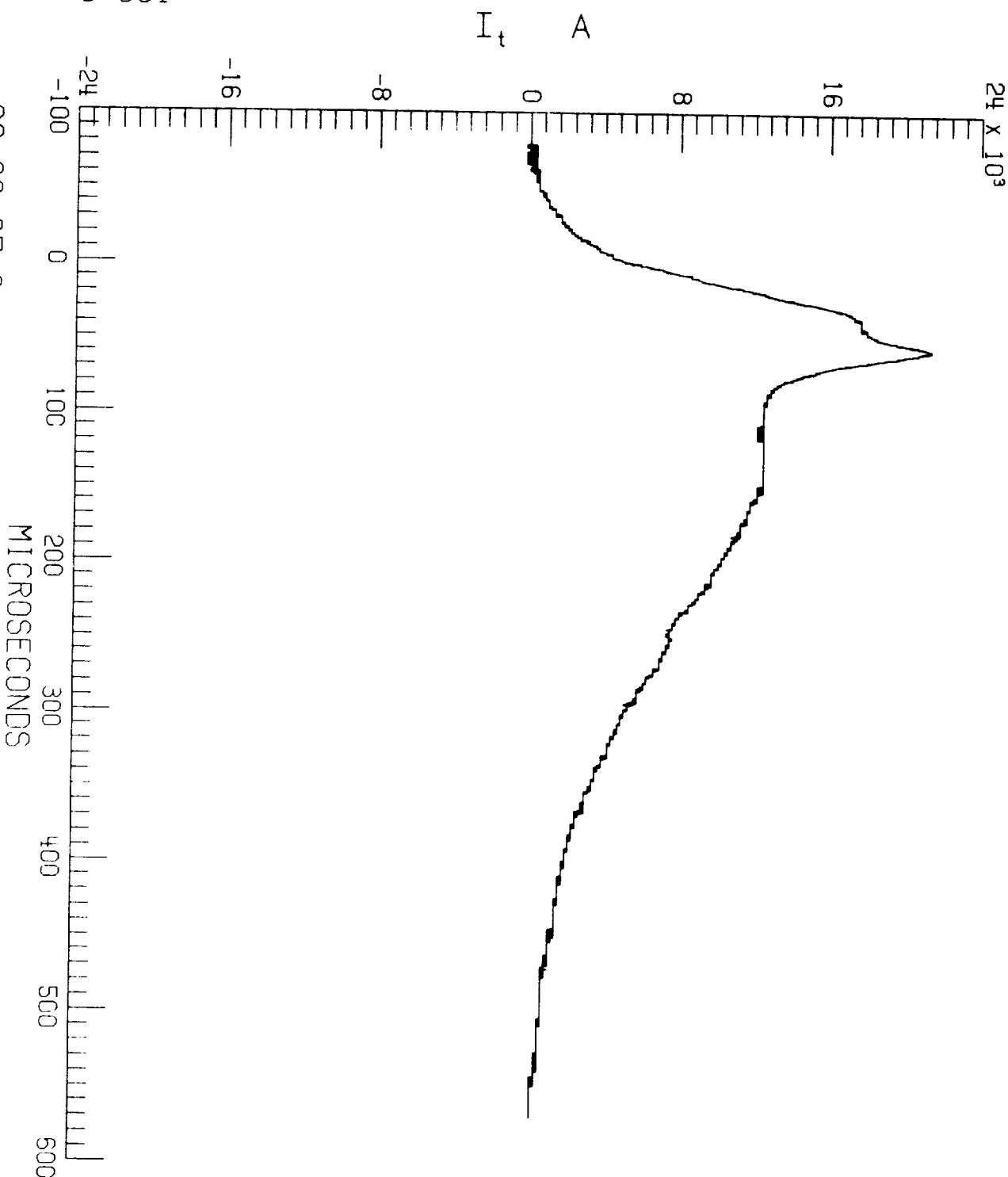
S-001

• I A/s



20:22:27.2
CHANNEL NO. 2.2

F106 LIGHTNING/86-013/ZAEPFEL
LEC 3 RUN NO. 14
S-001

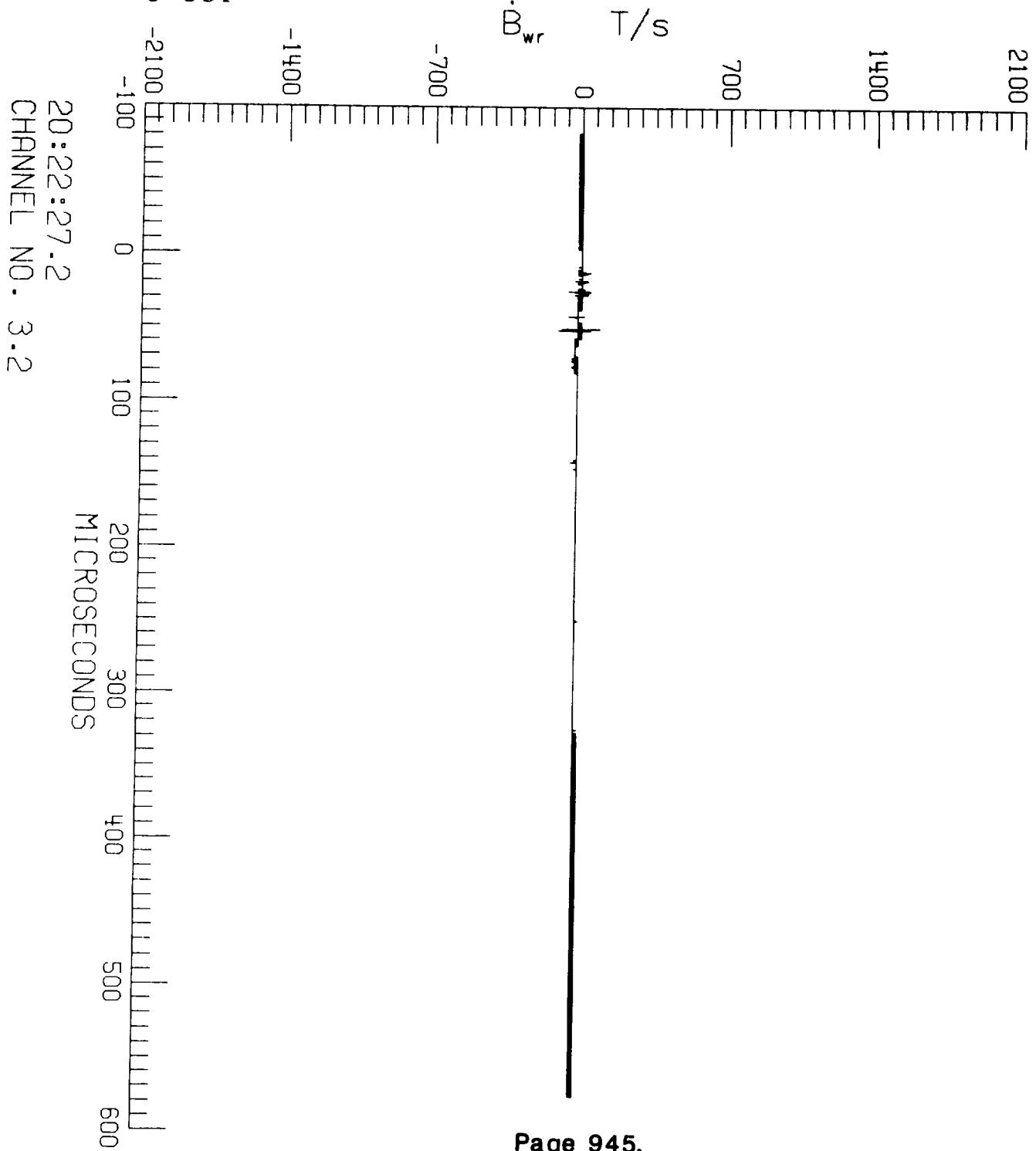


F106 LIGHTNING/86-013/ZAEPFEL

LEC 3

RUN NO. 14

S-001

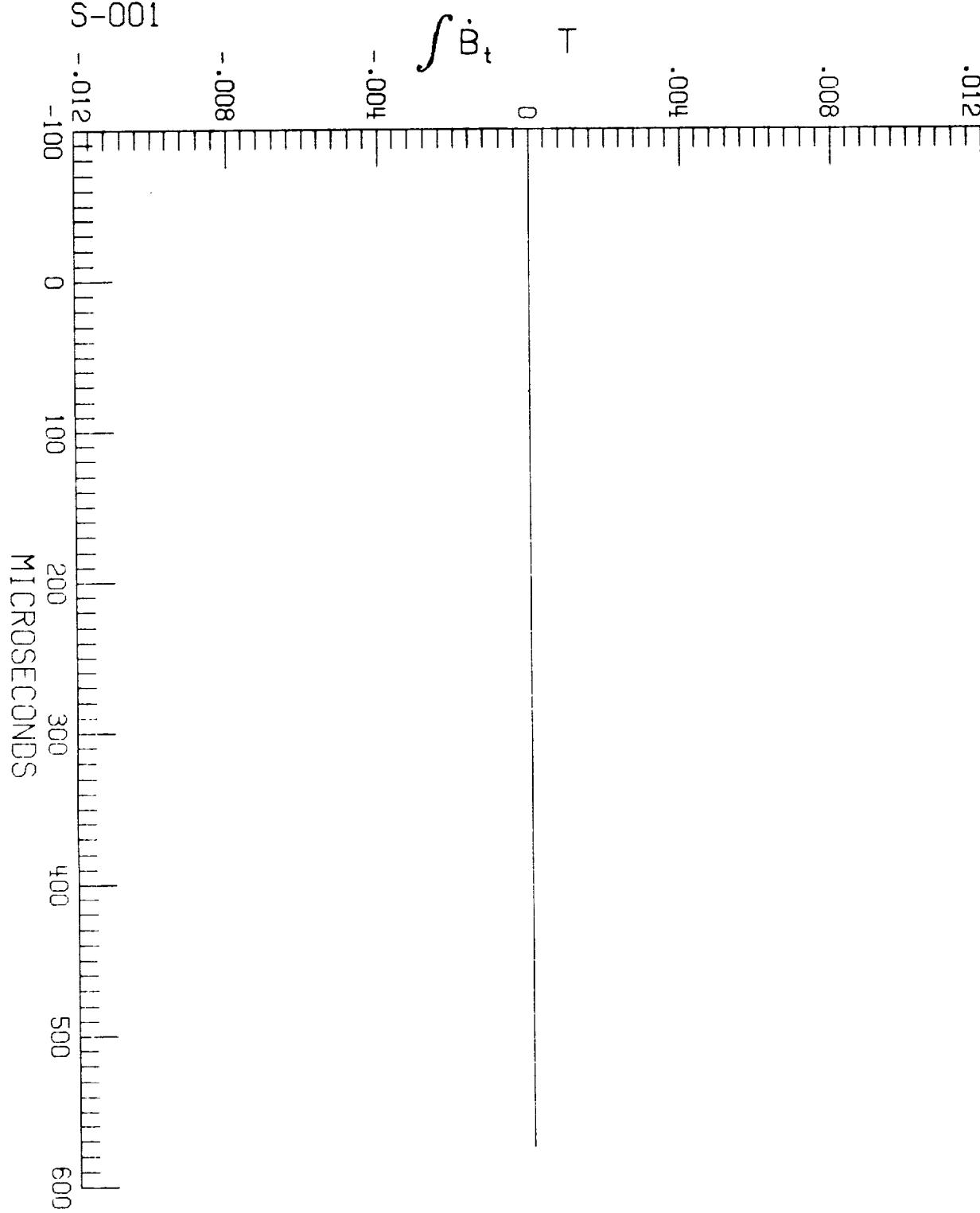


20:22:27.2
CHANNEL NO. 3.2

F106 LIGHTNING/86-013/ZAEPFEL

LEC 4 RUN NO. 14

S-001



20:22:27.2
CHANNEL NO. 4.0

F106 LIGHTNING/86-013/ZAEPFEL

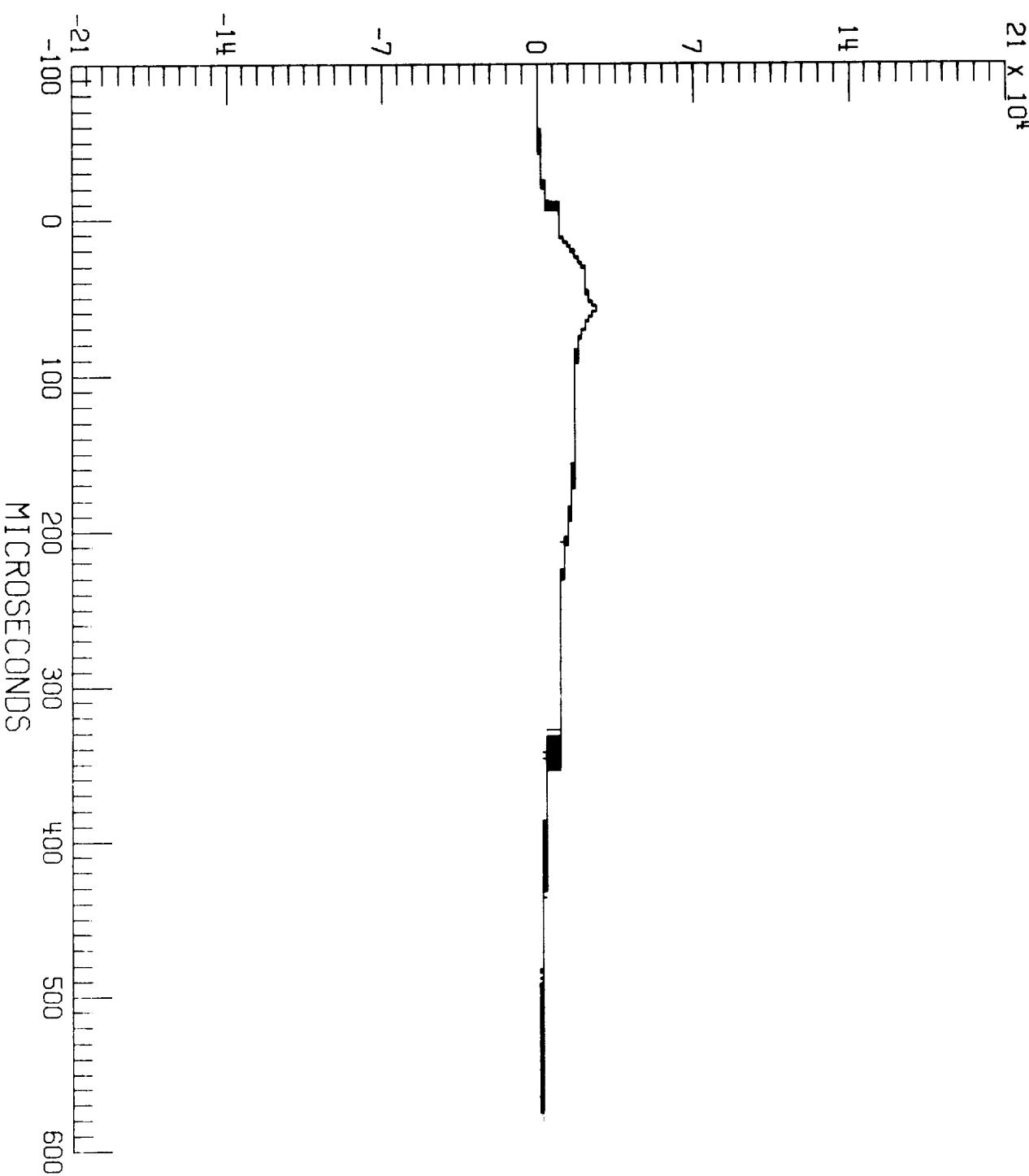
LEC 4

RUN NO. 14

S-001

I_t A

21 $\times 10^4$



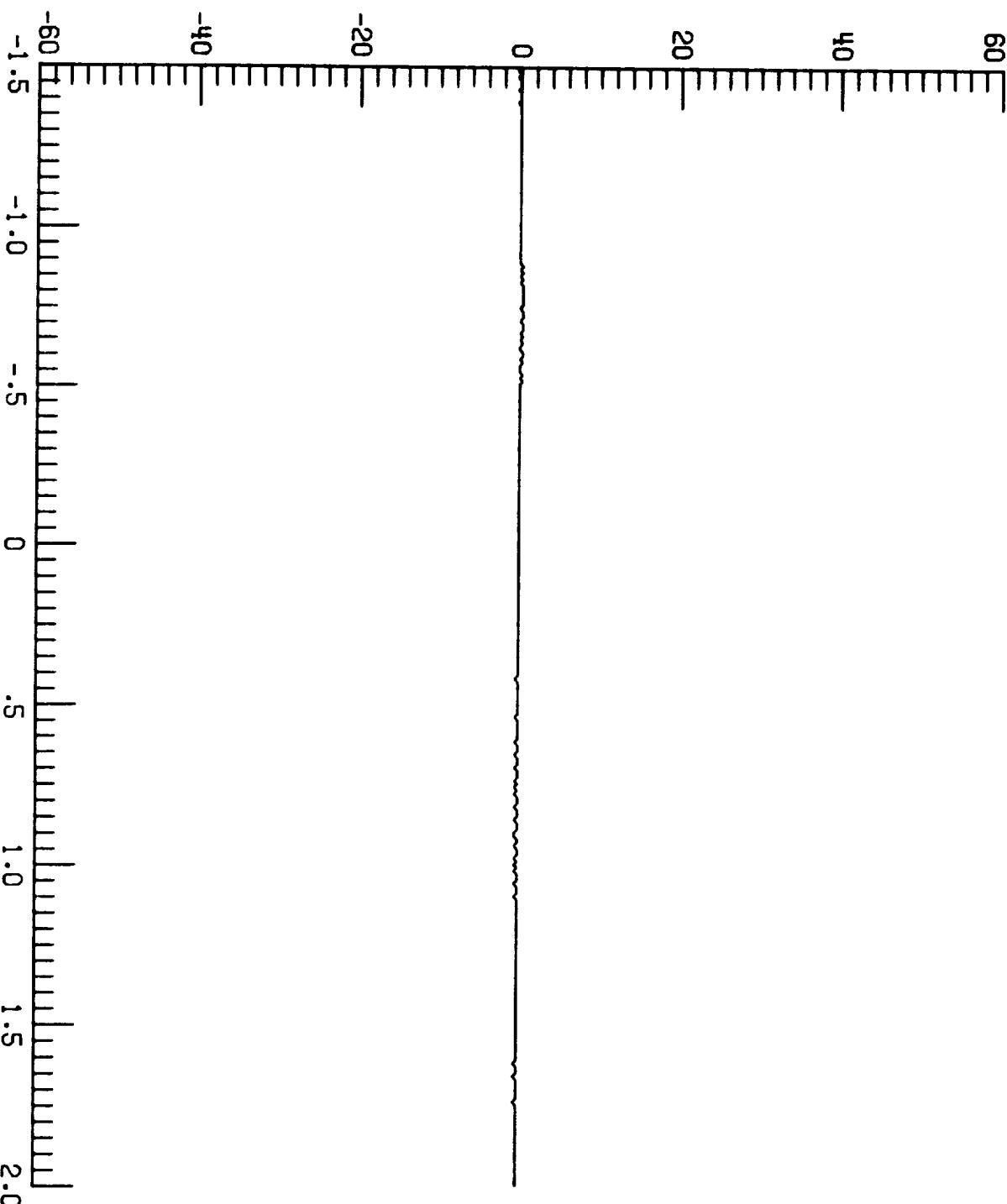
20:22:27.2
CHANNEL NO. 4.1

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

\dot{D}_f A/m²

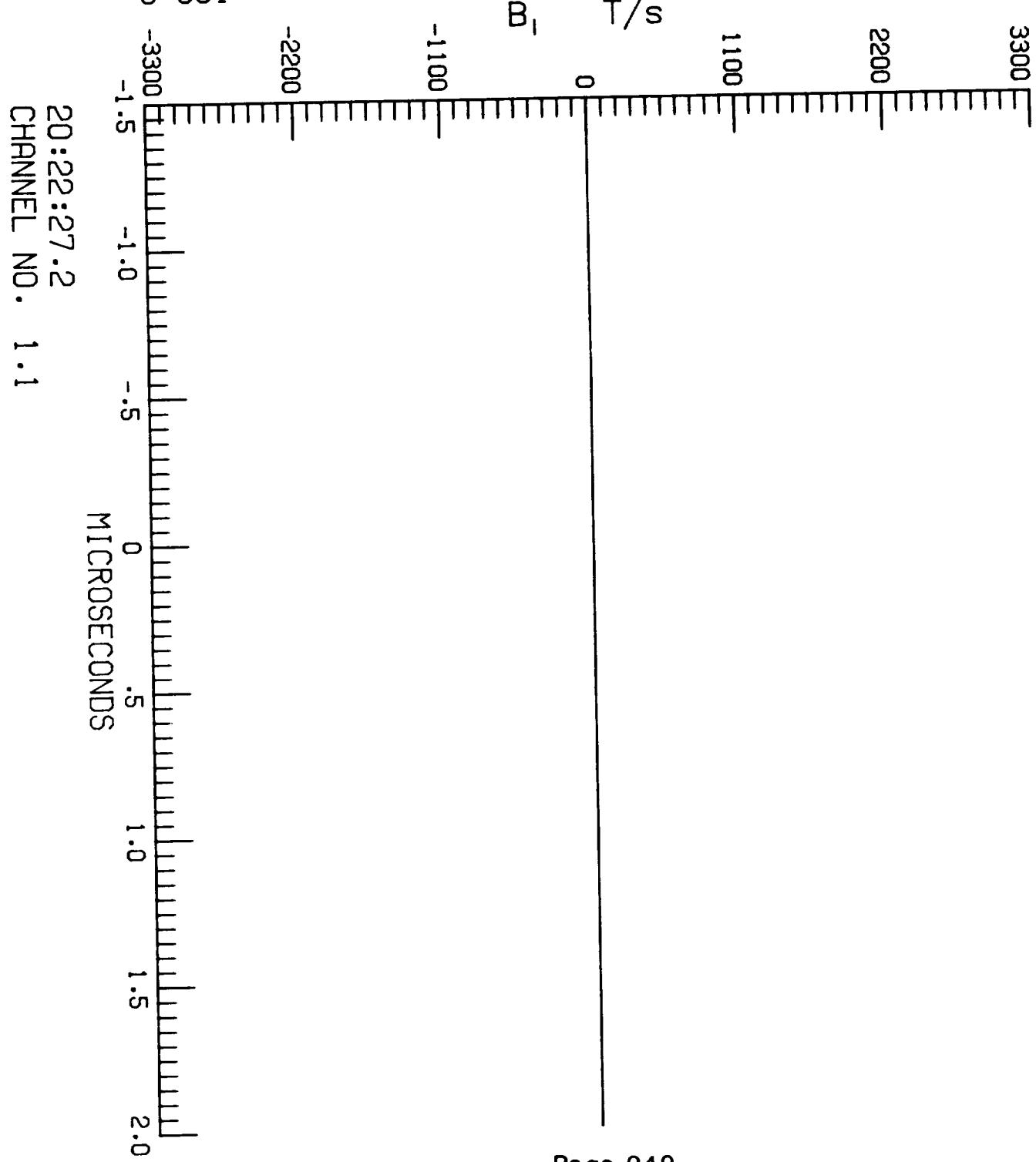


20:22:27.2
CHANNEL NO. 1.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

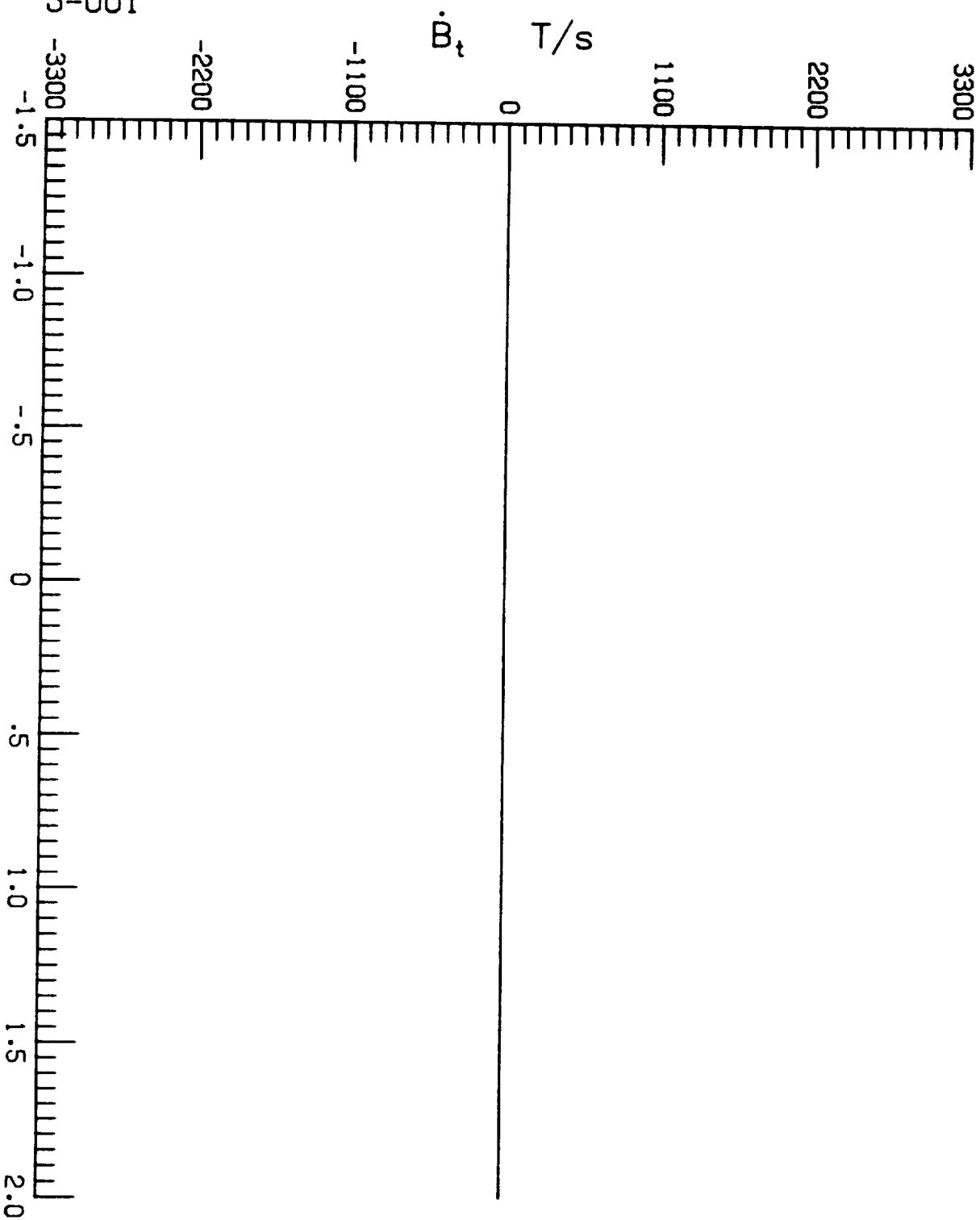


20:22:27.2
CHANNEL NO. 1.1

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001



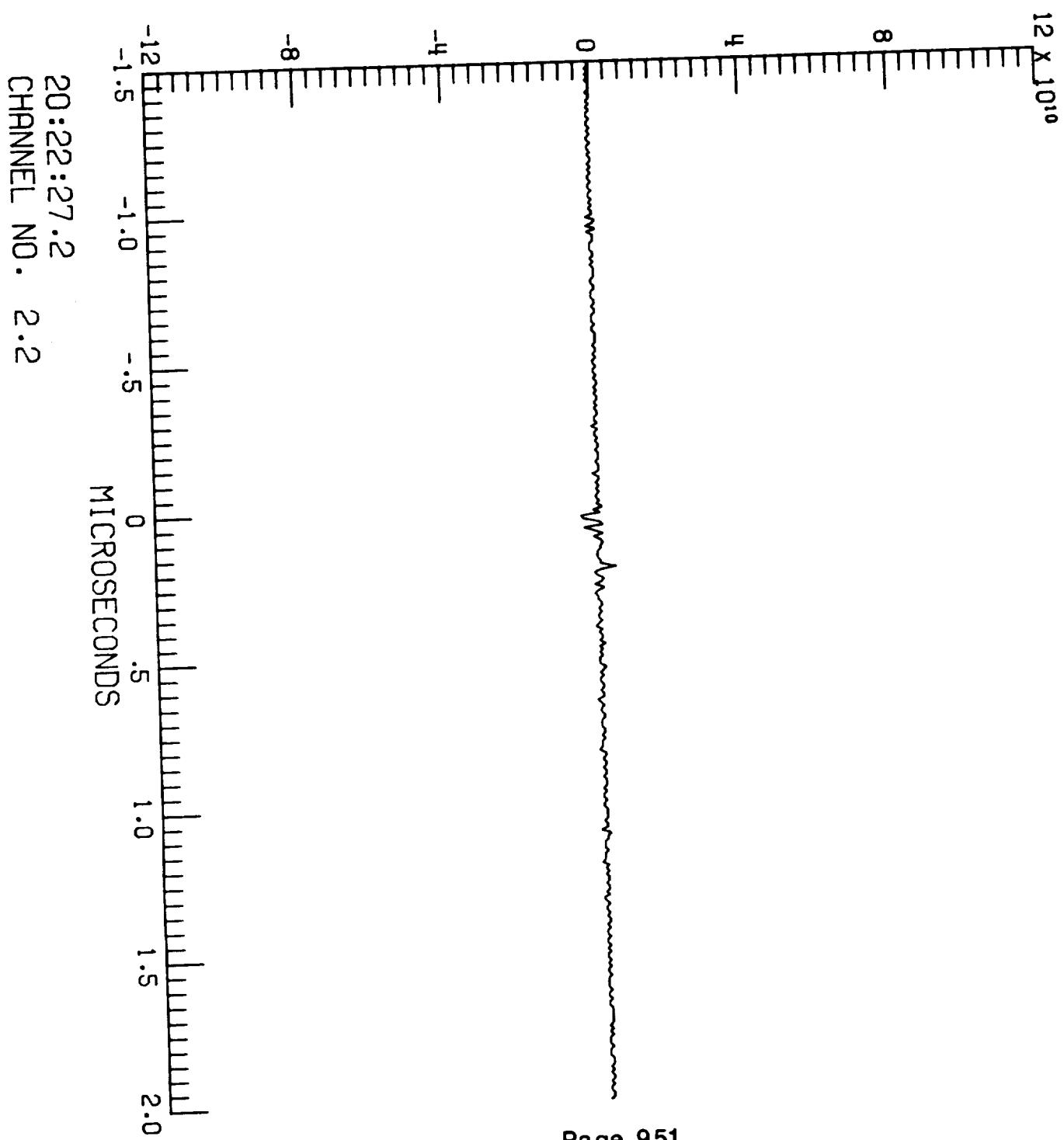
20:22:27.2
CHANNEL NO. 1.2

F106 LIGHTNING/86-013/ZAEPFEL

LEC 2 RUN NO. 14

S-001

\dot{I} A/s



20:22:27.2
CHANNEL NO. 2.2

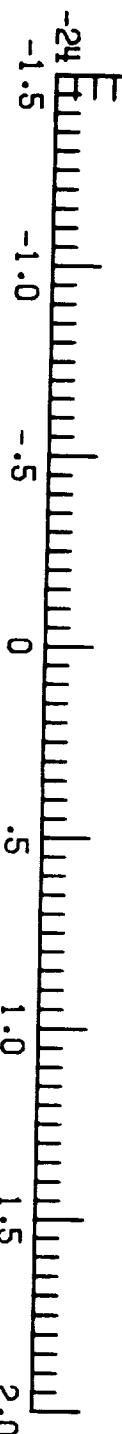
F106 LIGHTNING/86-013/ZAEPFEL

LEC 3 RUN NO. 14

S-001

I_t A

24 $\times 10^3$

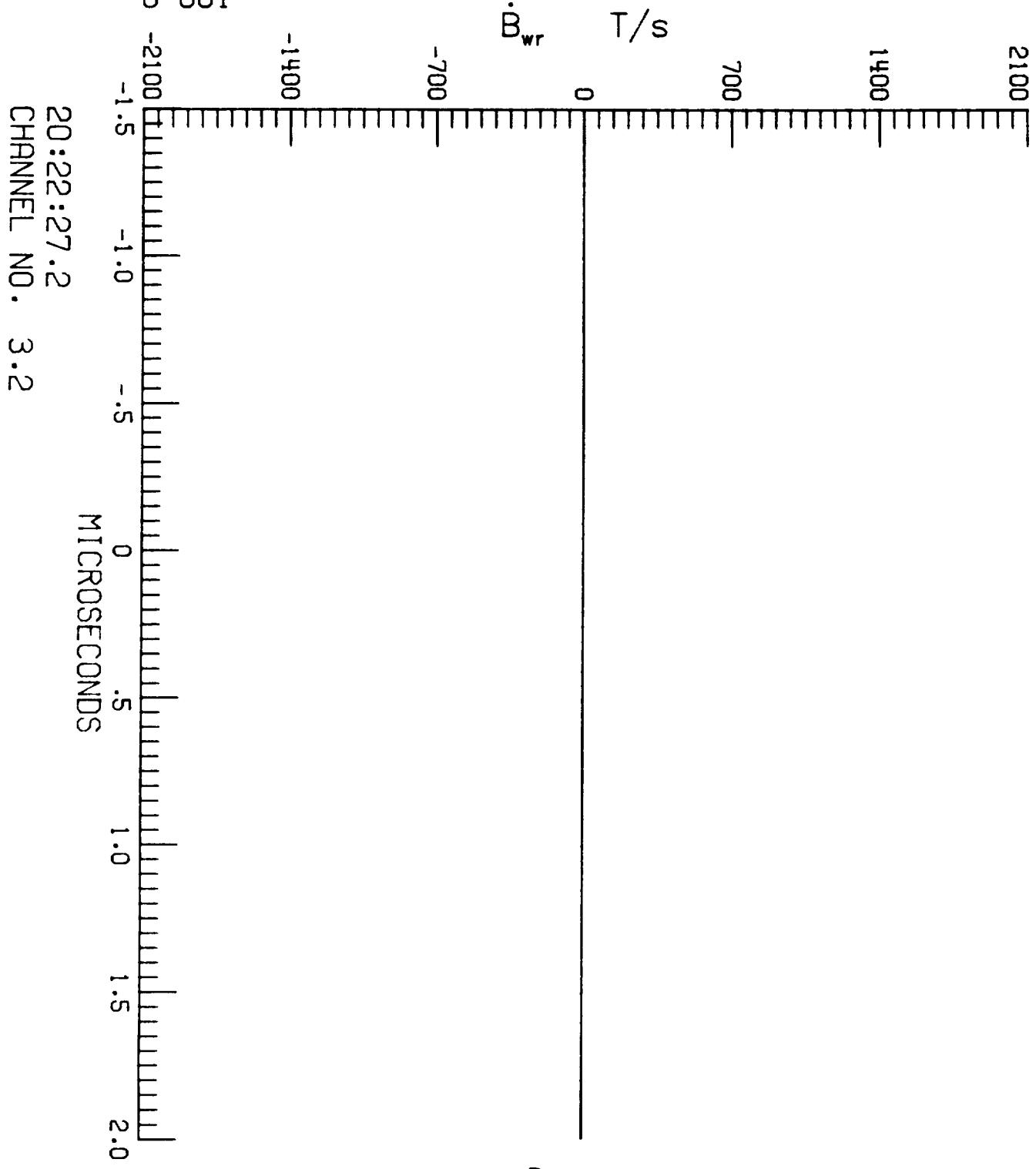


20:22:27.2
CHANNEL NO. 3.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 3 RUN NO. 14

S-001

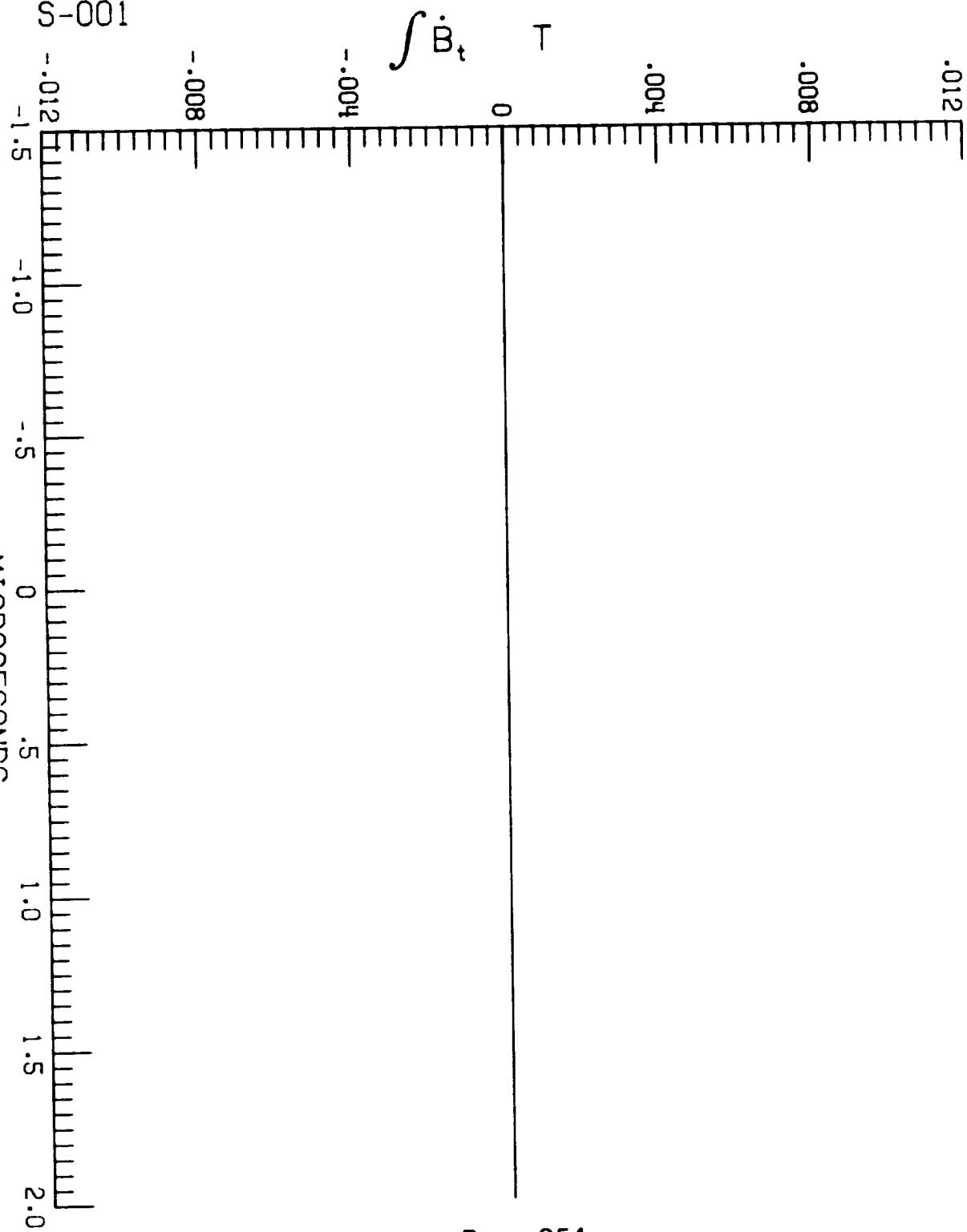


20:22:27.2
CHANNEL NO. 3..2

F106 LIGHTNING/86-013/ZAEPFEL

LEC 4 RUN NO. 14

S-001



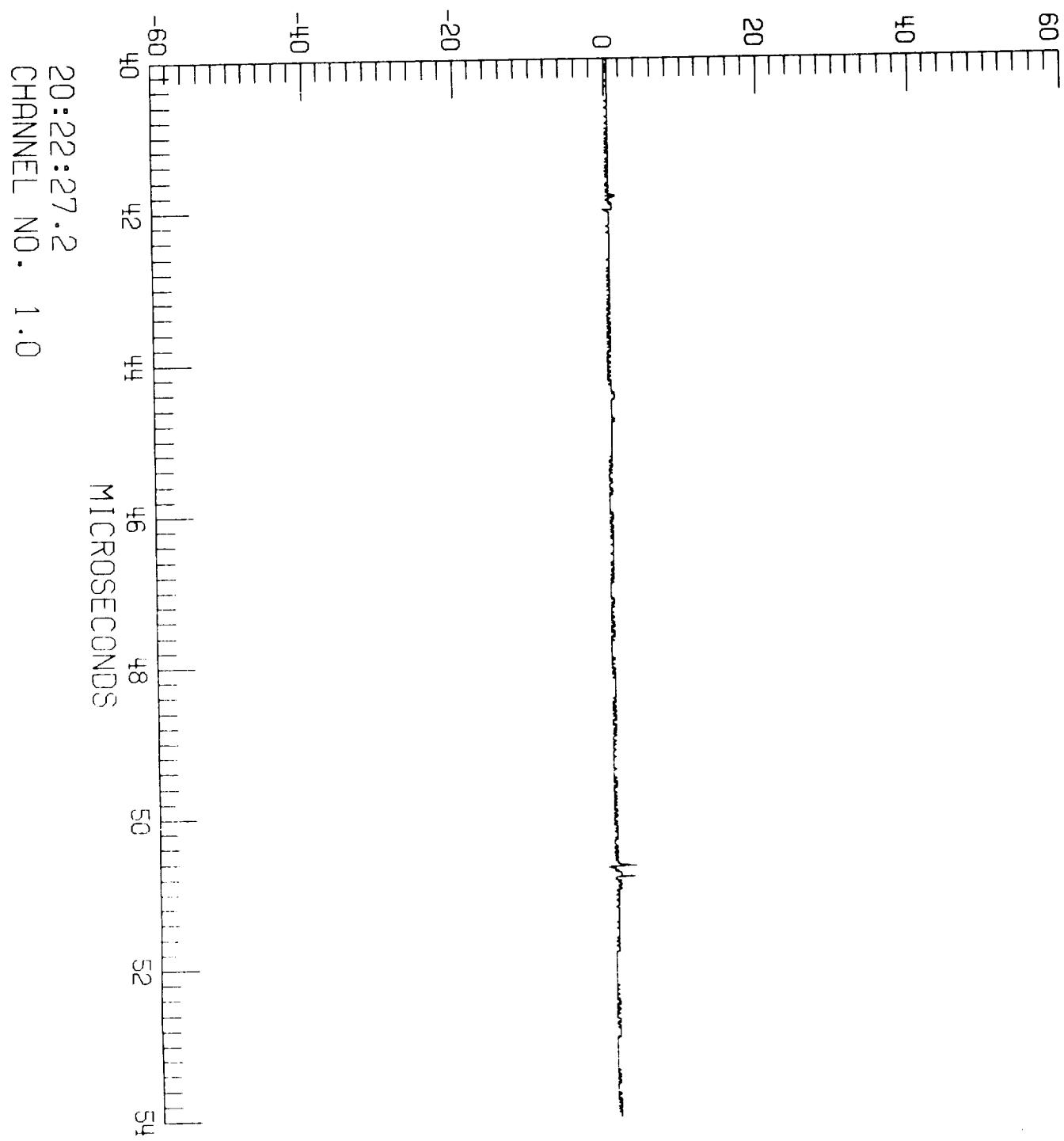
20:22:27.2
CHANNEL NO. 4.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

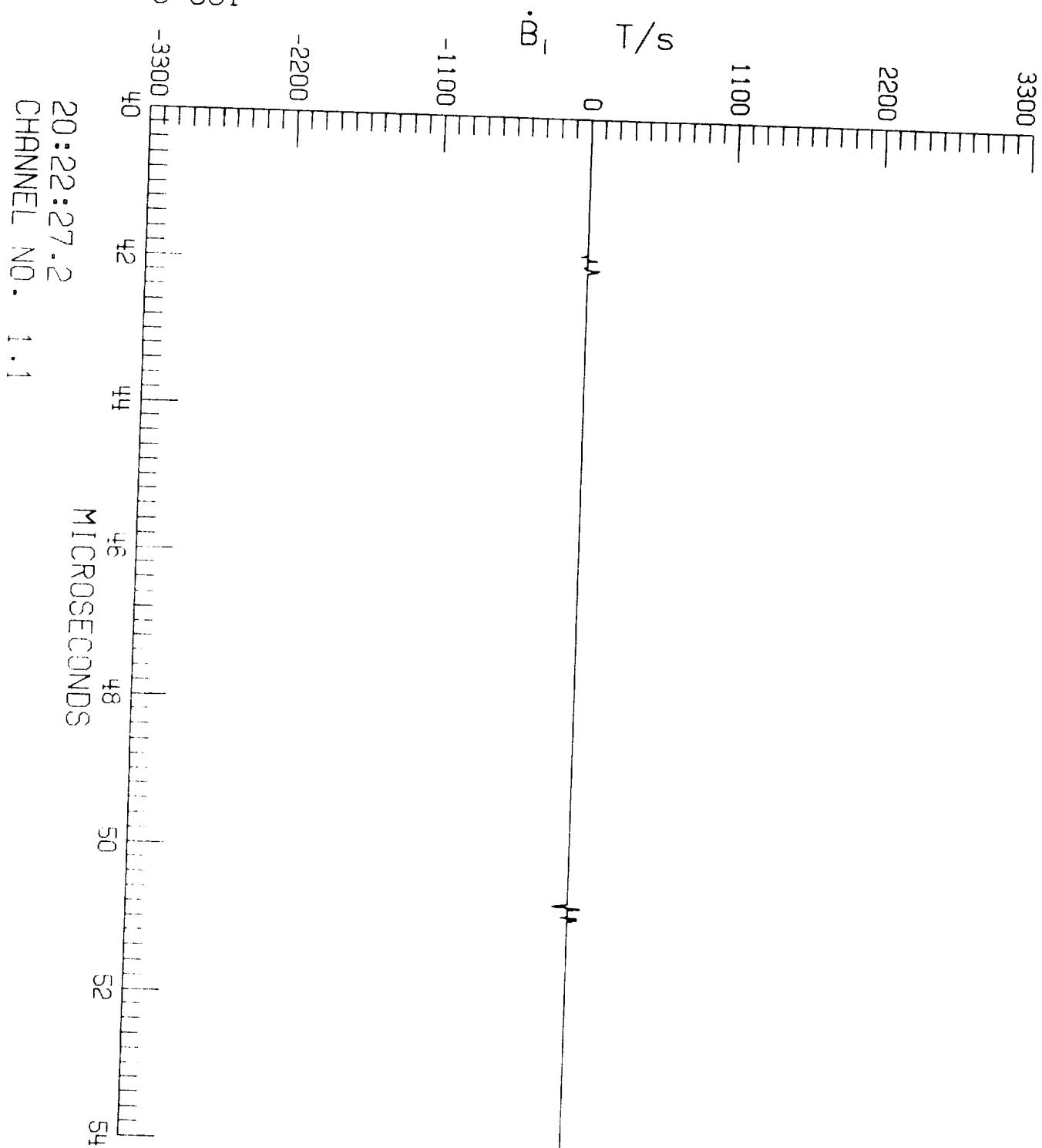
S-001

\dot{D}_f A/m²



20:22:27.2
CHANNEL NO. 1.0

F106 LIGHTNING/86-013/ZAEPFEL
LEC 1 RUN NO. 14
S-001

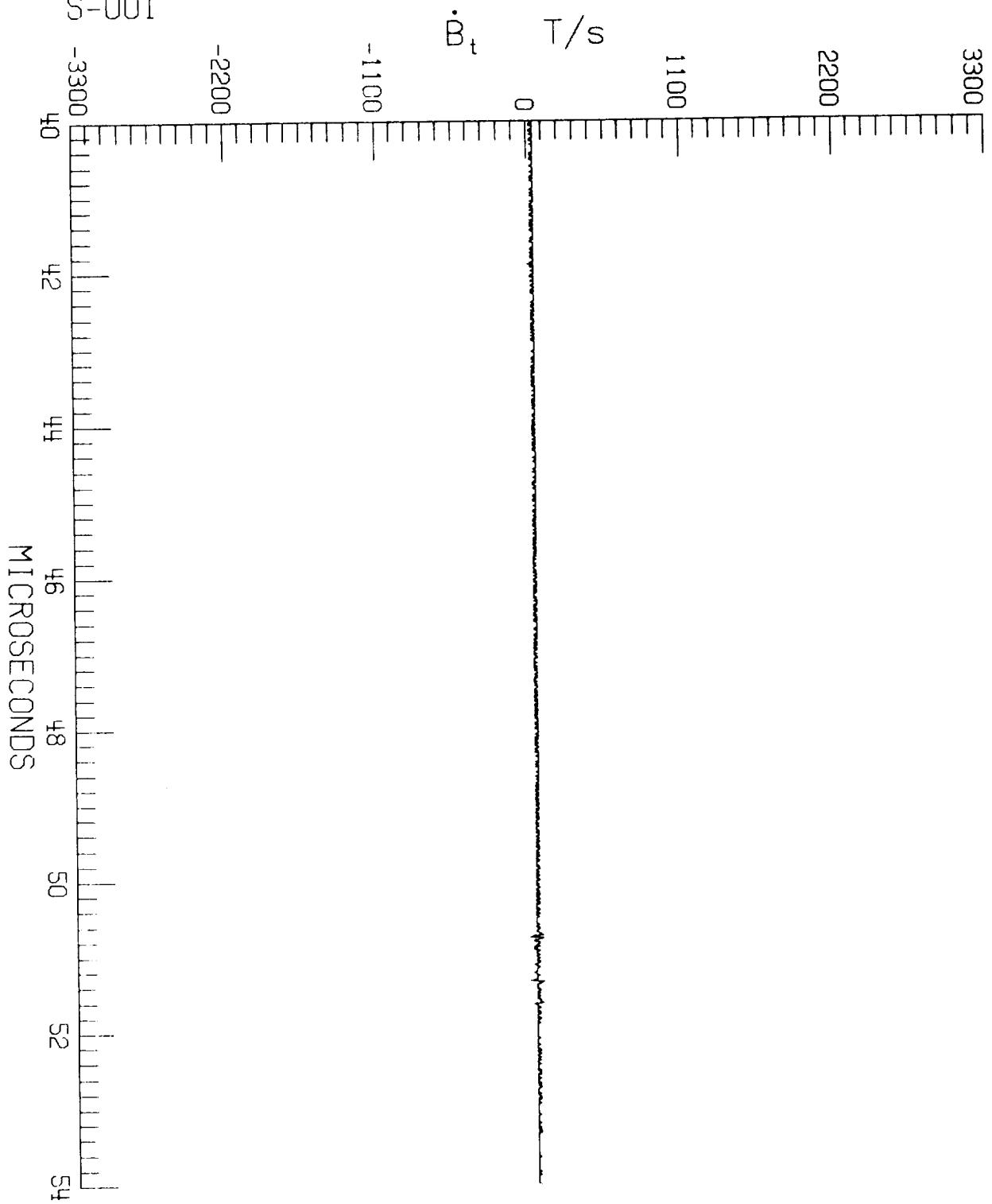


F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

20:22:27.2
CHANNEL NO. 1.2



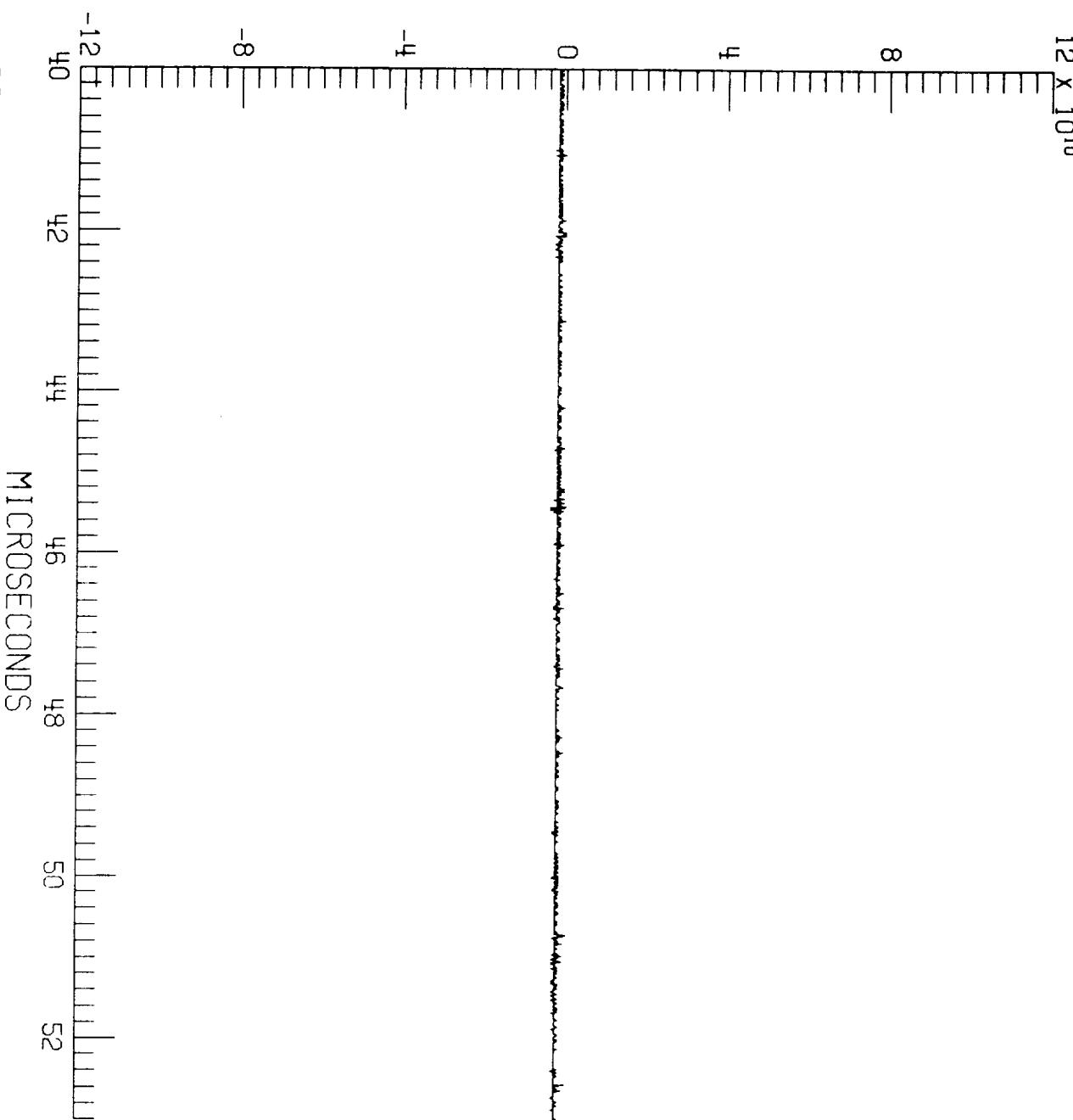
F106 LIGHTNING/86-013/ZAEPFEL

LEC 2 RUN NO. 14

S-001

A/s

12
 $\times 10^{10}$



20:22:27.2
CHANNEL NO. 2.2

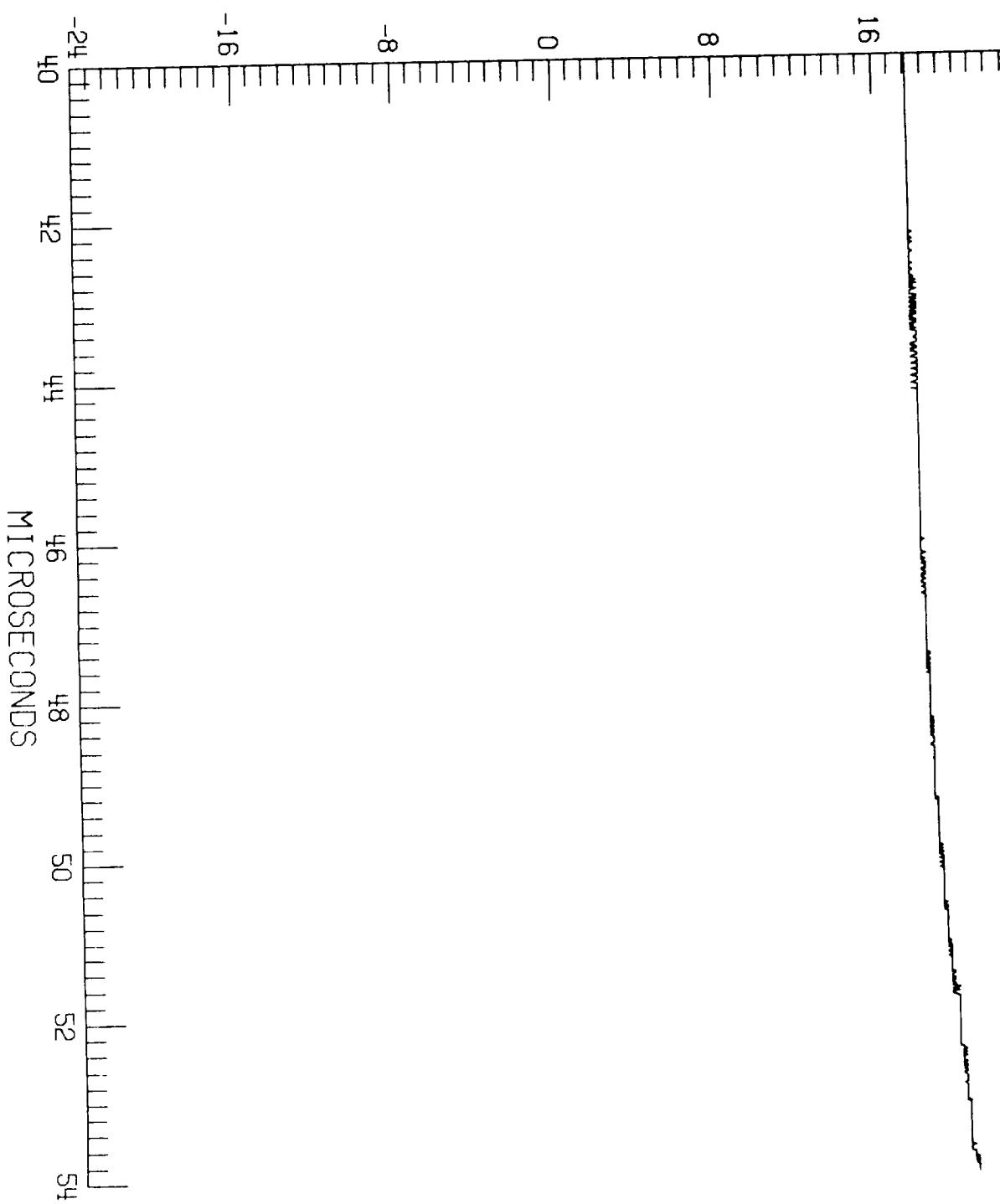
F106 LIGHTNING/86-013/ZAEPFEL

LEC 3 RUN NO. 14

S-001

I_t A

24 $\times 10^3$

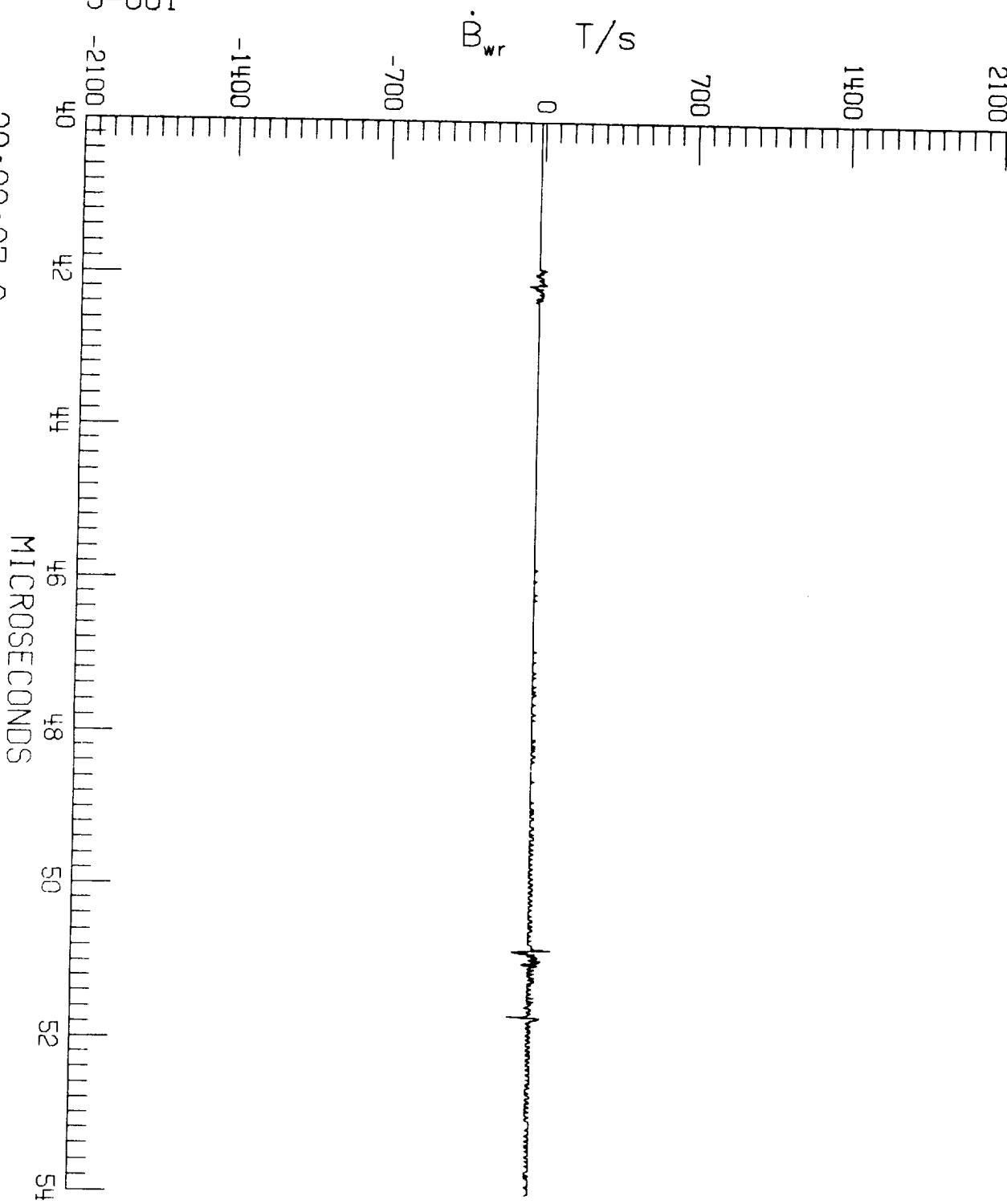


20:22:27.2
CHANNEL NO. 3.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 3 RUN NO. 14

S-001



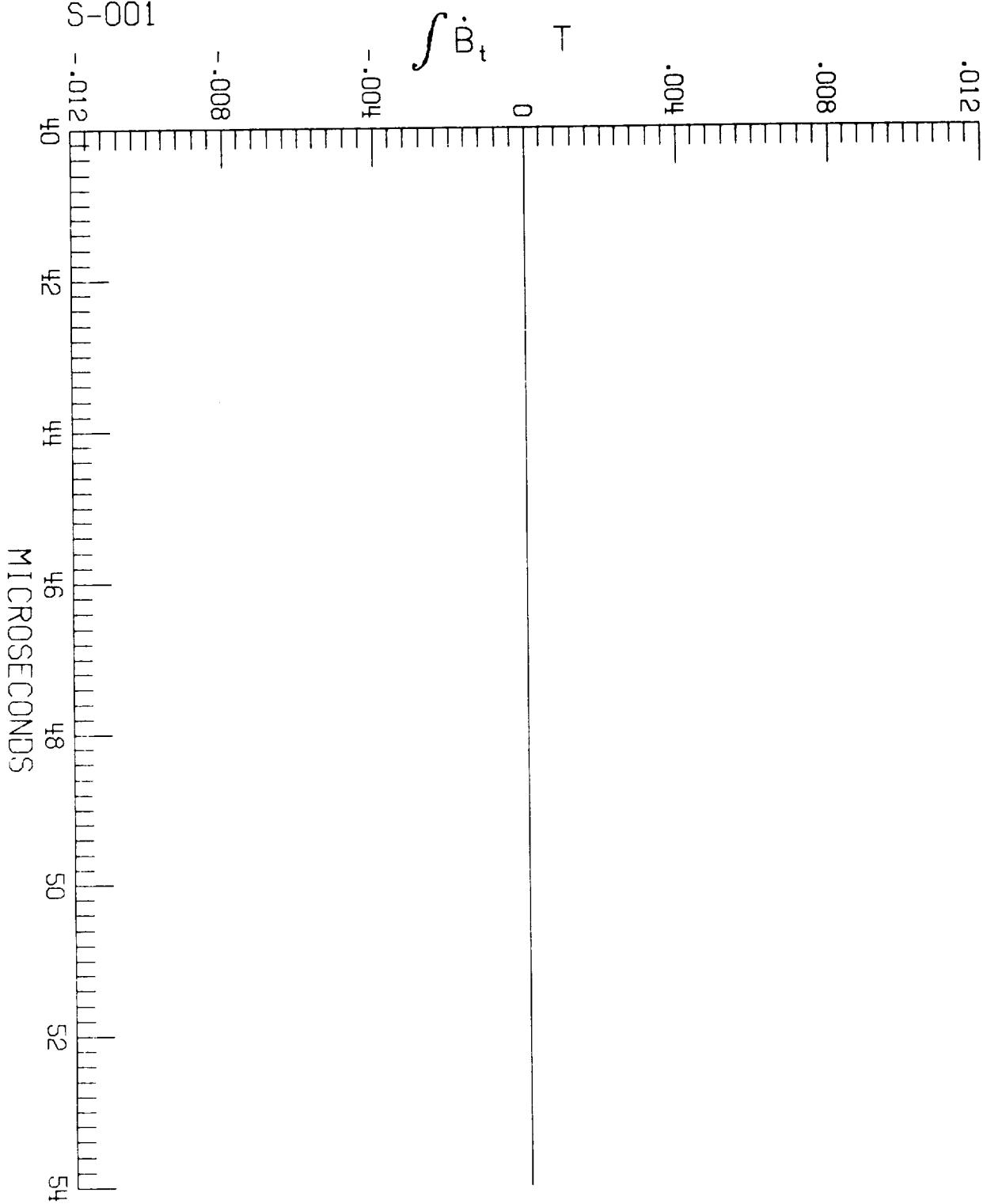
20:22:27.2
CHANNEL NO. 3.2

F106 LIGHTNING/86-013/ZAEPFEL

LEC 4 RUN NO. 14

S-001

20:22:27.2
CHANNEL NO. 4.0

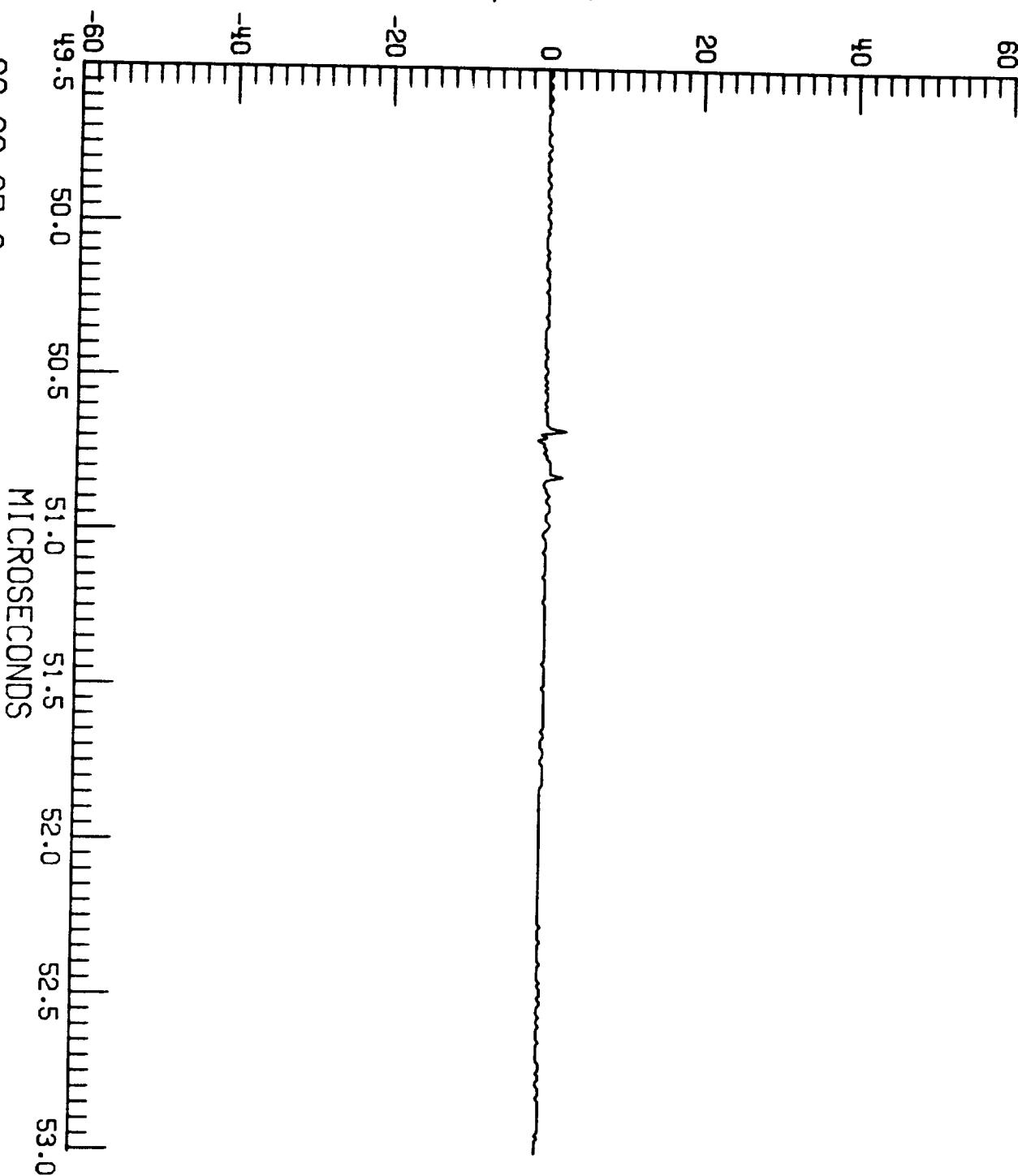


F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

D_f A/m²

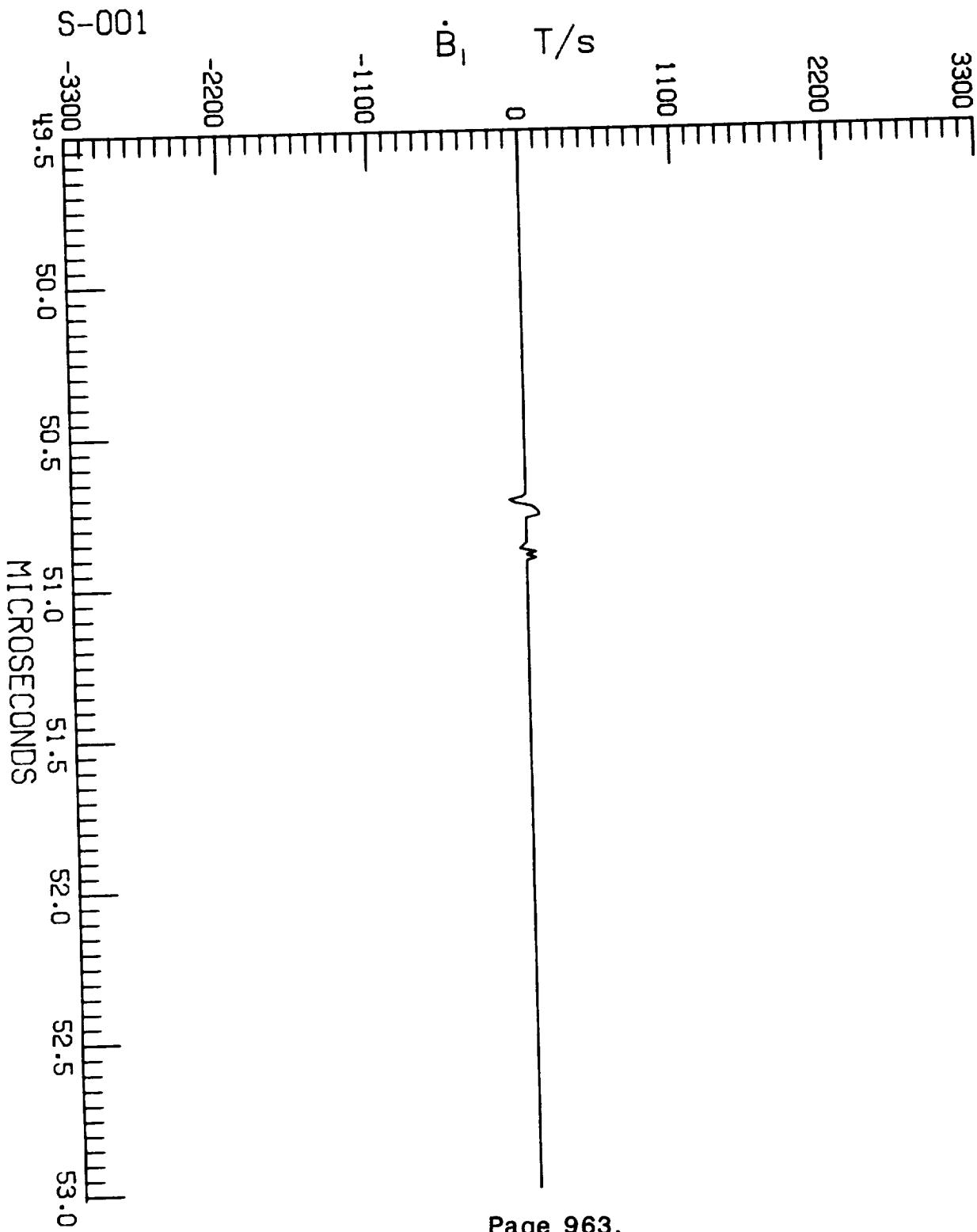


20:22:27.2
CHANNEL NO. 1.0

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001

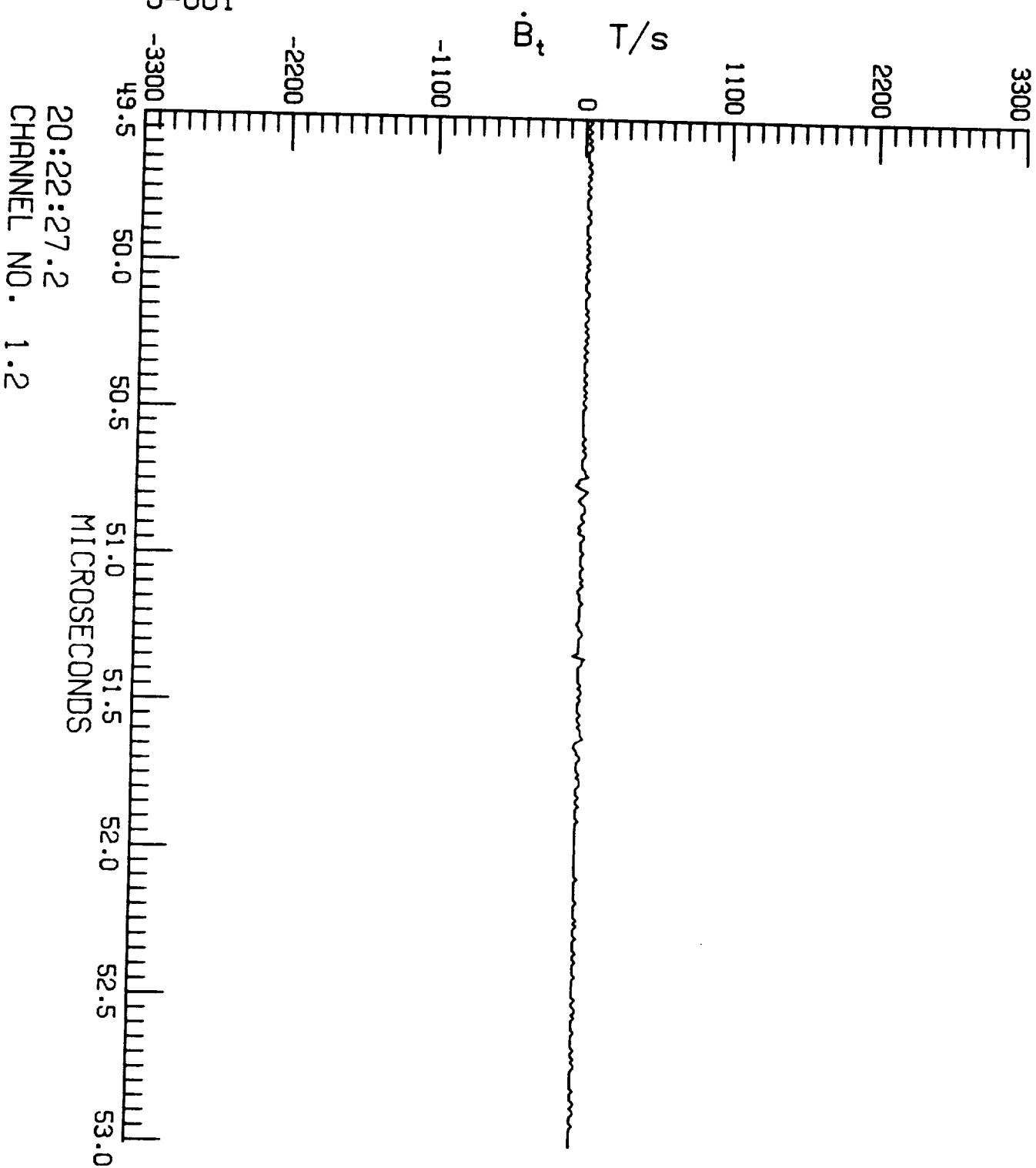


20:22:27.2
CHANNEL NO. 1.1

F106 LIGHTNING/86-013/ZAEPFEL

LEC 1 RUN NO. 14

S-001



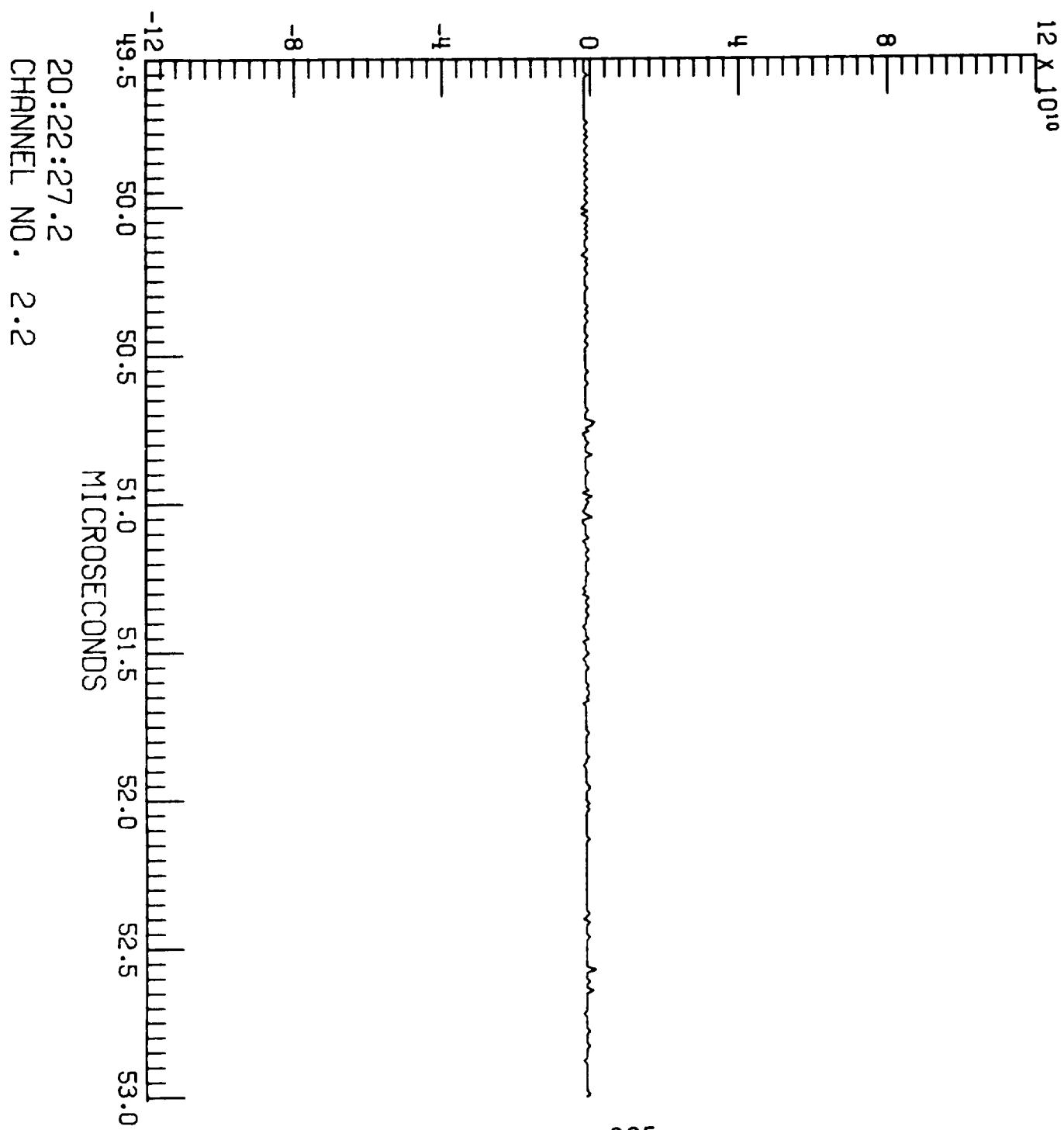
20:22:27.2
CHANNEL NO. 1.2

F106 LIGHTNING/86-013/ZAEPFEL

LEC 2 RUN NO. 14

S-001

I A/s



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CHANNEL NO. 2.2

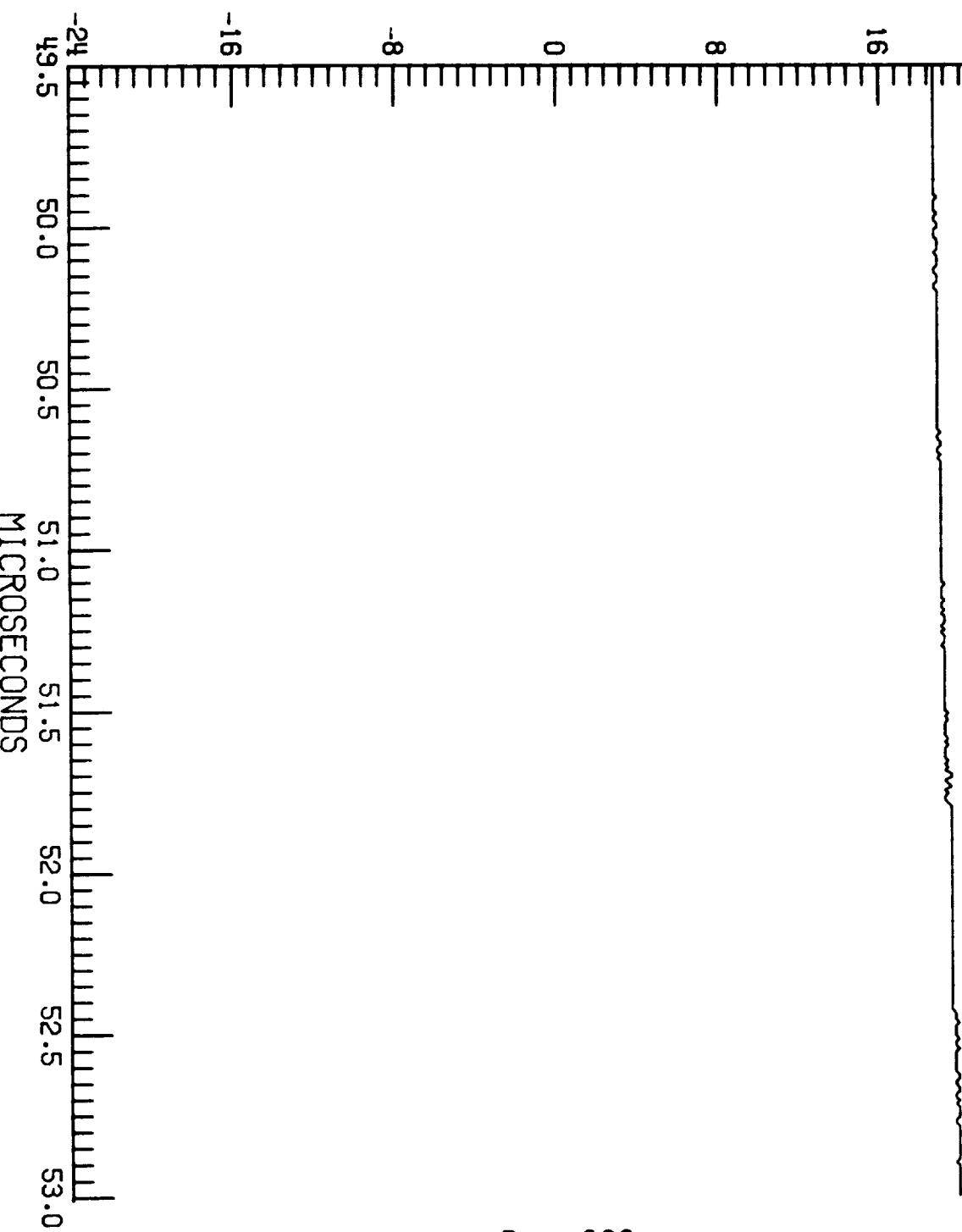
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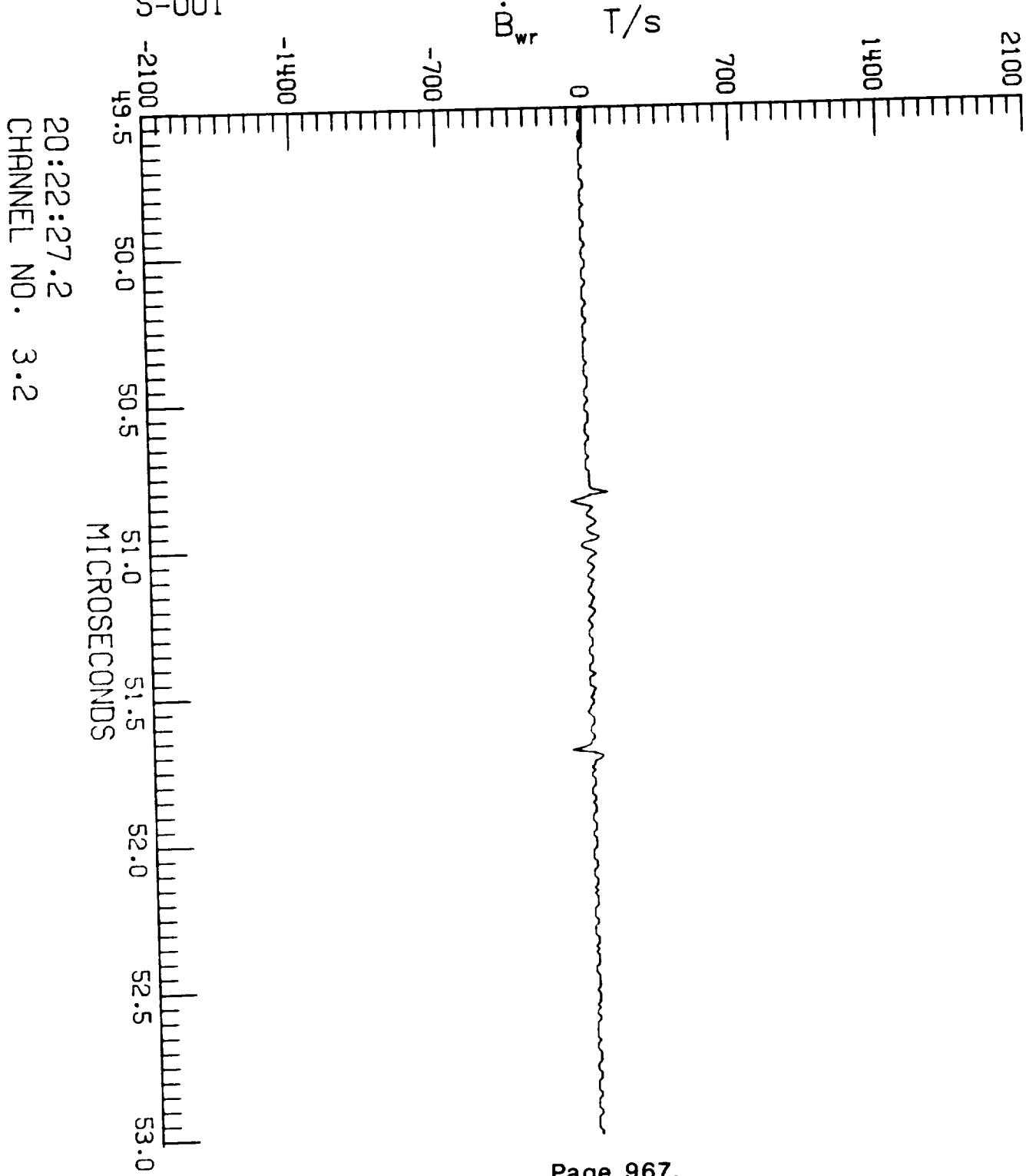
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F106 LIGHTNING/86-013/ZAEPFEL

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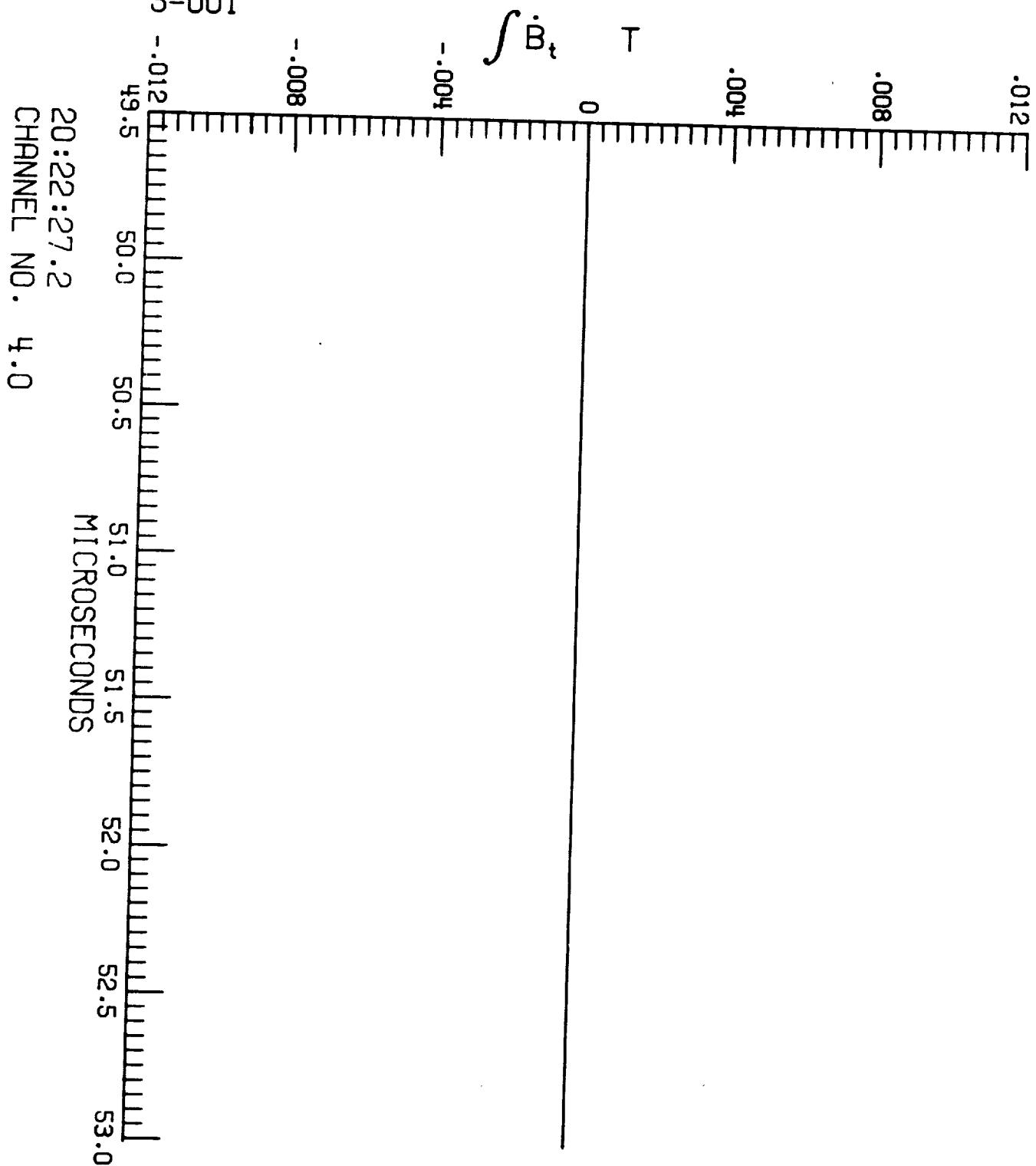
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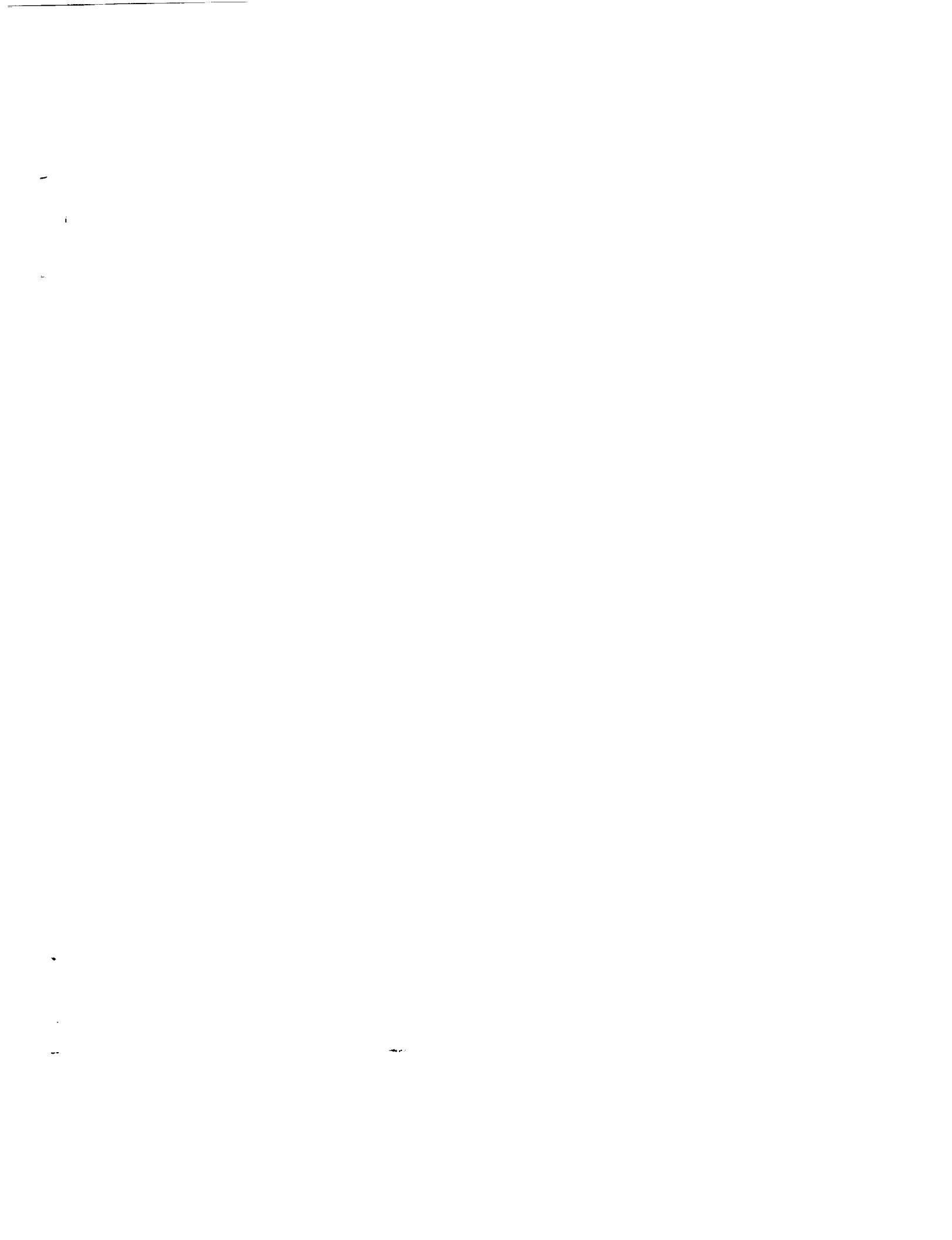
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S-001



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CHANNEL NO. 4.0





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